

JUL 11 1963

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Technical Note

18-16

QUARTERLY RADIO NOISE DATA SEPTEMBER, OCTOBER, NOVEMBER 1962

W. Q. CRICHLLOW, R. T. DISNEY
AND M. A. JENKINS



U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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A complete listing of the Bureau's publications can be found in National Bureau of Standards Circular 460, Publications of the National Bureau of Standards, 1901 to June 1947 (\$1.25), and the Supplement to National Bureau of Standards Circular 460, July 1947 to June 1957 (\$1.50), and Miscellaneous Publication 240, July 1957 to June 1960 (includes Titles of Papers Published in Outside Journals 1950 to 1959) (\$2.25); available from the Superintendent of Documents, Government Printing Office, Washington 25, D.C.

NATIONAL BUREAU OF STANDARDS

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ISSUED JUNE 10, 1963

QUARTERLY RADIO NOISE DATA SEPTEMBER, OCTOBER, NOVEMBER 1962

W. Q. Crichlow, R. T. Disney, and M. A. Jenkins
NBS Boulder Laboratories
Boulder, Colorado

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NATIONAL BUREAU OF STANDARDS

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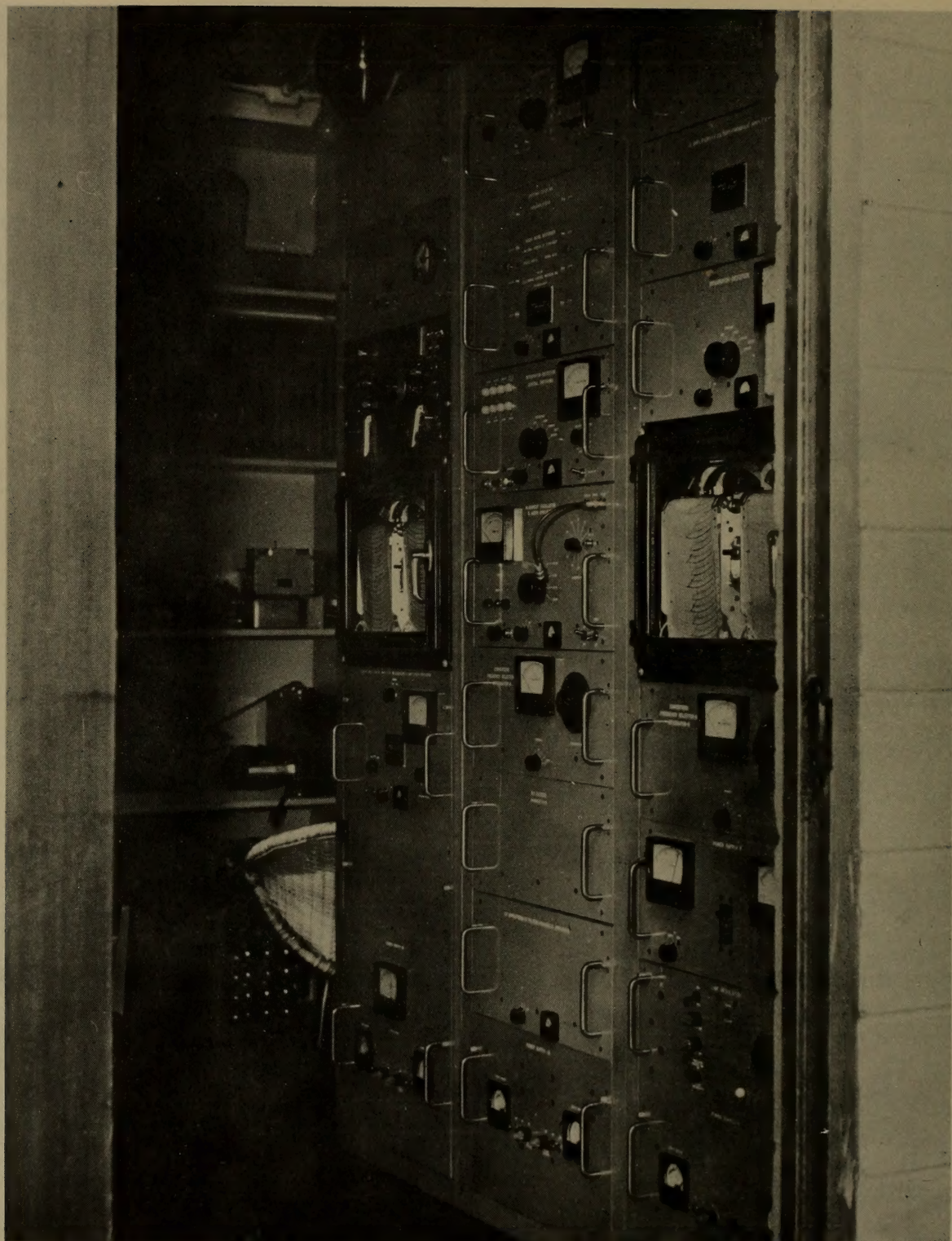
COMMUNITY RADIOPHONE DATA
227 LINDSAY DRIVE, WASHINGTON, D. C.

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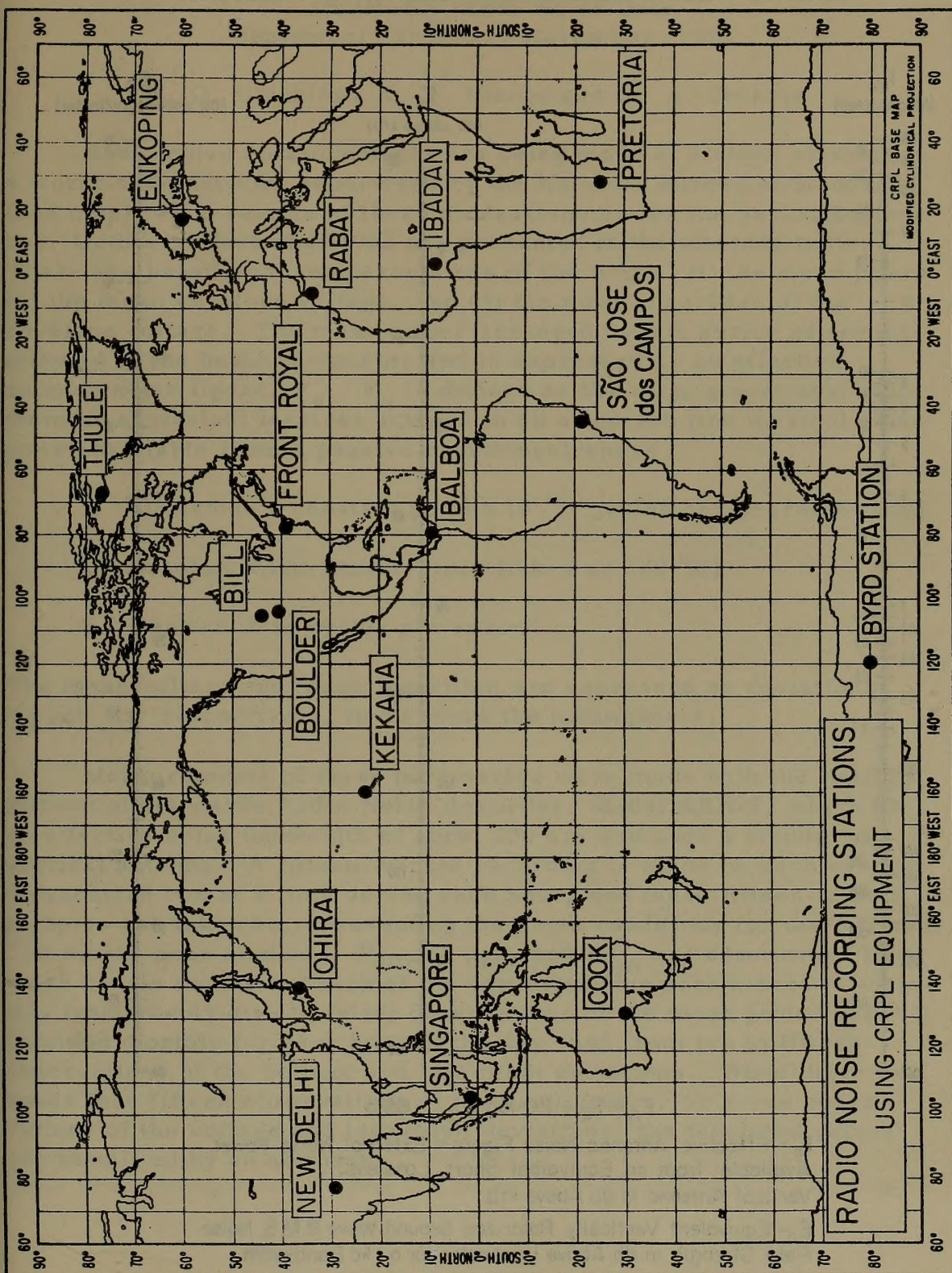
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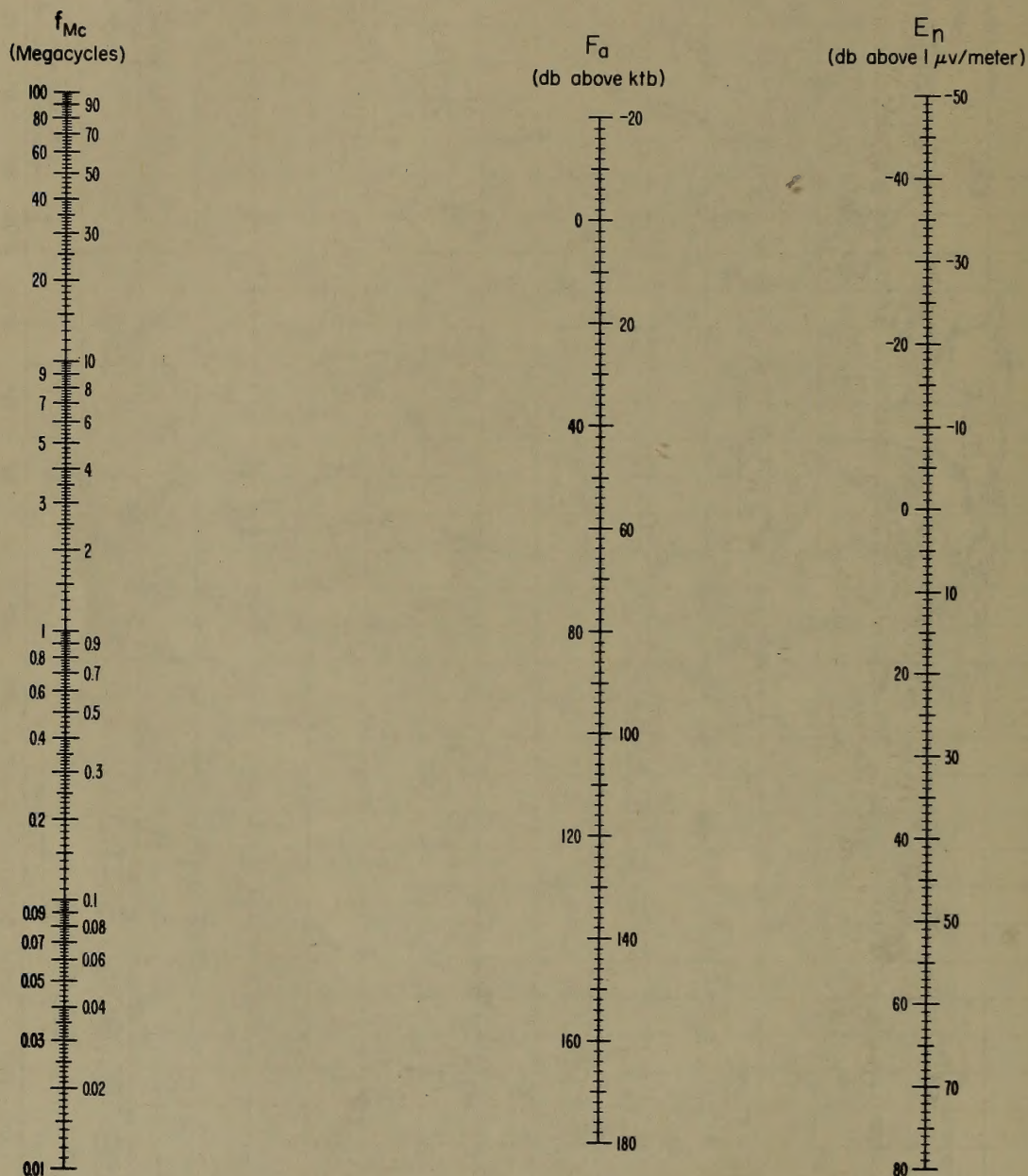
RADIO NOISE RECORDING STATION



ARN-2 ATMOSPHERIC RADIO NOISE RECORDER



NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

F_a = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

E_n = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above $1 \mu v/\text{meter}$ for a 1 kc Bandwidth.

f_{Mc} = Frequency in Megacycles.

Quarterly Radio Noise Data
September, October, November, 1962

W. Q. Crichlow, R. T. Disney and M. A. Jenkins

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period September, October, November 1962 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a . F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

K = Boltzman's constant (1.38×10^{-23} joules per degree Kelvin)

t = Absolute room temperature (taken as 288°K)

b = Bandwidth in cycles per second.

The mean voltage and mean logarithm are expressed as deviations, V_d and L_d , respectively, in db below the mean power.

Measurements of these parameters were made with the National Bureau of Standards Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 c/s and uses a standard 21.75' vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour. The month-hour medians, F_{am} , V_{dm} , and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day, and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power, or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am} , and designated by D_u and D_l , respectively.

Time-block median values of noise are tabulated on a seasonal basis, and are obtained by averaging all month-hour medians for the season within a particular four-hour period of the day. The time-block values conform to the seasonal-time-block values used in C. C. I. R. Report No. 65 (see attached references).

F_a in db is related to the rms field strength at the antenna by the following equation:

$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

where

E_n = the equivalent vertically polarized ground wave rms noise field strength in db above 1 μ v/meter for a 1 kc bandwidth.
 f_{Mc} = the frequency in megacycles/second.

The nomogram given may be used for this conversion.

The values presented in the tables reflect the actual measured radio noise; in some instances the atmospheric noise level may be contaminated by man-made noise or station interference. The parameter that will first reflect any such contamination will be the logarithmic parameter, L_d . This contamination generally will cause the value of L_d to be less than it would have been, had the recorded value been only atmospheric noise. In determining the amplitude-probability distribution from the three measured moments [10], contaminated values of L_d may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of L_d be ignored and the most probable value of L_d from the curve on the graph of L_d vs. V_d be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of L_d that will give an amplitude-probability distribution by the method in reference 10, and

can therefore be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to a local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5). The data from the Floating Antarctic Research Vessel, USNS Eltanin, are grouped so that a block 10° in latitude by 15° in longitude is treated as a separate station. The station clock in this case is corrected to the LST at the center of the block. Because of this grouping, very few readings may be used to obtain the median values tabulated in some cases. If, during the month, fewer than ten readings are obtained for any one block, the decile values are not given. If less than three months data are used in the time block summaries, this fact is noted on the summary sheet. Because of the small sample size, some caution should be exercised when using these values.

These preliminary data values are presented in order to expedite dissemination of the data. Additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications.

The assistance of the station operators and other personnel of these agencies in obtaining the data contained in this report is gratefully acknowledged.

Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station;
Front Royal, Virginia; Kekaha, Hawaii

Signal Corps, U. S. Army - Balboa, C. Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enköping

DSIR (Great Britain) and University College Department of
Physics (Nigeria) - Ibadan

Ministry of Communications, Wireless Planning and Co-ordination
Organisation - New Delhi

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) -
Pretoria

Institut Scientifique Cherifien (Morocco) - Rabat

Instituto Tecnológico de Aeronautica (Brazil) - São Jose dos Campos

Department of Scientific and Industrial Research (Great Britain) -
Singapore

The following publications contain additional information on radio noise:

1. W. Q. Crichlow, D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.
2. "Report on Revision of Atmospheric Radio Noise Data," C.C.I.R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956 (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).
3. F. Horner, "An Investigation of Atmospheric Radio Noise at Very Low Frequencies," Proc. Inst. Elec. Engs., Pt. B, 103, 743 (1956).
4. A. D. Watt and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45,1, 55 (1957).
5. W. Q. Crichlow, "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45,6, 778 (1957).
6. A. D. Watt and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45,6, 787 (1957).
7. F. F. Fulton, Jr., "The Effect of Receiver Bandwidth on Amplitude Distribution of V.L.F. Atmospheric Noise," National Bureau of Standards, VLF Symposium Paper 37, Boulder, Colorado, 1957.
8. A. D. Watt, R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of Some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46,12, 1914 (1958).

9. W. L. Taylor and A. G. Jean, "Very-Low-Frequency Radiation Spectra of Lightning Discharges," NBS J. of Research-D. Radio Propagation, 63D,2, 199 (1959).
10. W. Q. Crichlow, C. J. Roubique, A. D. Spaulding, and W. M. Beery, "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," NBS J. Research-D. Radio Propagation, 64D,1, 49 (1960).
11. Tatsuzo Obayashi, "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," NBS J. of Research-D. Radio Propagation, 64D,1, 41 (1960).
12. A. D. Watt, "ELF Electric Fields from Thunderstorms," NBS J. of Research-D. Radio Propagation, 64D,5, 425 (September-October 1960).
13. W. Q. Crichlow, A. D. Spaulding, C. J. Roubique, and R. T. Disney, "Amplitude-Probability Distributions for Atmospheric Radio Noise," NBS Monograph 23 (November 1960b).
14. URSI Special Report No. 7, "The Measurement of Characteristics of Terrestrial Radio Noise," Elsevier Publishing Co. (1962).
15. C. Clarke, "Atmospheric Radio-Noise Studies Based on Amplitude-Probability Measurements at Slough, England, During the International Geophysical Year," Proc. Inst. Elec. Engs., Pt. B, 109,47, 393 (September 1962).
16. A. D. Spaulding, W. Q. Crichlow, and C. J. Roubique, "Bandwidth Conversion of the Amplitude-Probability Distribution Function from the First Two Moments for Atmospheric Radio Noise," NBS J. of Research-D. Radio Propagation, 66D,6, 713 (November-December 1962).
17. W. L. Taylor, "Radiation Field Characteristics of Lightning Discharges in the Band 1 kc/s to 100 kc/s," NBS J. Research-D. Radio Propagation, 67D, to be published (1963).

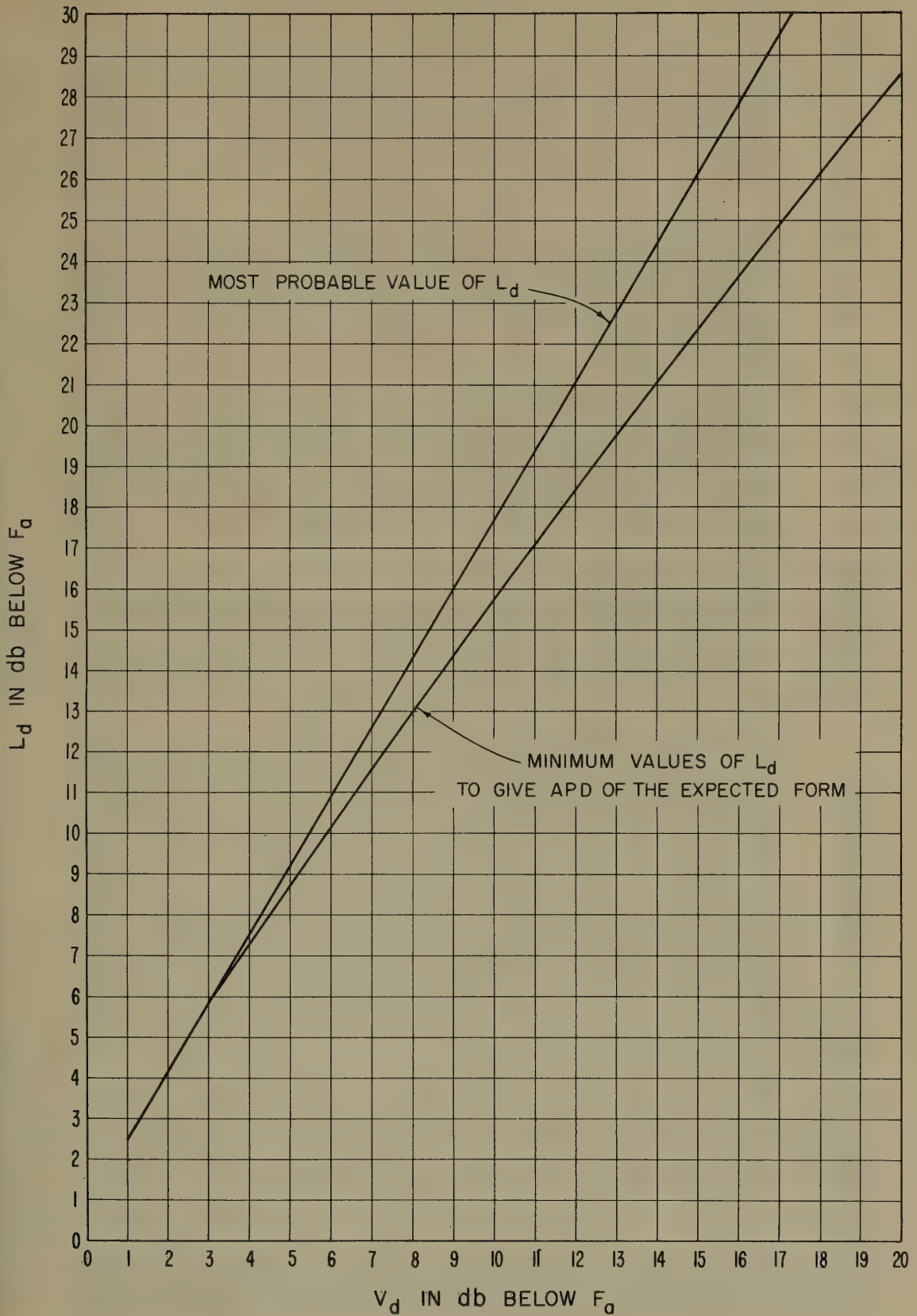
Data included in this report and the standard time for each station are as follows:

Station	Data	Time Zone	To Convert LST to GMT (hours)
Balboa	September, October, November 1962	75 W	+05
Bill	September, October, November 1962	105 W	+07
Boulder	September, October, November 1962	105 W	+07
Byrd Station	September, October, November 1962	120 W	-09
Cook	September, October, November 1962	135 E	-09
USNS Eltanin	April, May 1962		
	June, July, August 1962		
	September, October, November 1962		
Enkoping	September, October, November 1962	15 E	-01
Front Royal	September, October, November 1962	75 W	+05
Kekaha	September, October, November 1962	150 W	+10
New Delhi	September 1962	75 E	-05
Ohira	September, October, November 1962	135 E	-09
Pretoria	September, October, November 1962	30 E	-02
Rabat	September 1962	GMT	0
Singapore	June, July, August 1962	105 E	-07
	September, October, November 1962		
Thule	September 1962	75 W	+05
Warrensburg	September, October 1962	90 W	+06

Previous data from the World-Wide Network have been published in the following Technical Note 18 series:

- 18-1 July 1, 1957 - December 31, 1958
- 18-2 March, April, May 1959
- 18-3 June, July, August 1959
- 18-4 September, October, November 1959
- 18-5 December, January, February 1959-60
- 18-6 March, April, May 1960
- 18-7 June, July, August 1960
- 18-8 September, October, November 1960
- 18-9 December, January, February 1960-61
- 18-10 March, April, May 1961
- 18-11 June, July, August 1961
- 18-12 September, October, November 1961
- 18-13 December, January, February 1961-62
- 18-14 March, April, May 1962
- 18-15 June, July, August 1962

MOST PROBABLE AND MINIMUM VALUES OF L_d VERSUS V_d
FOR ATMOSPHERIC RADIO NOISE



Frequency (Mc)

Hour (LST)	Frequency (Mc)																																							
	.013				.051				.160				.495				2.5				5				10				20											
	F _{am}	D ₂	V _{dm}	L _{dm}	F _{am}	D ₂	V _{dm}	L _{dm}	F _{am}	D ₂	V _{dm}	L _{dm}	F _{am}	D ₂	V _{dm}	L _{dm}	F _{am}	D ₂	V _{dm}	L _{dm}	F _{am}	D ₂	V _{dm}	L _{dm}	F _{am}	D ₂	V _{dm}	L _{dm}	F _{am}	D ₂	V _{dm}	L _{dm}	F _{am}	D ₂	V _{dm}	L _{dm}				
00	164	4	120	175	143	6	2	90	145	123	6	2	80	125	102	6	4	60	100	67	6	5	45	80	*	60	2	6	40	70	42	12	4	30	60	23	5	2	20	30
01	164	5	110	170	145	6	4	110	155	125	4	6	75	125	102	7	4	60	100	68	5	7	55	95	60	2	4	30	65	42	10	4	25	50	23	4	2	20	30	
02	164	5	100	160	144	5	3	90	150	122	8	2	70	125	102	6	5	60	120	69	4	6	45	85	58	6	4	45	80	41	9	5	40	70	23	6	2	20	30	
03	164	7	95	155	143	6	3	80	135	123	7	4	70	125	102	6	6	65	110	71	2	6	45	80	60	0	4	40	75	39	5	7	30	50	23	2	2	20	40	
04	163	8	105	160	143	8	6	85	145	123	6	5	70	135	102	4	8	70	130	70	3	3	45	100	58	2	4	55	90	38	6	6	45	75	23	2	2	30	40	
05	164	6	5	100	155	143	8	6	95	150	121	10	8	95	160	94	12	17	110	180	69	6	4	55	110	58	6	4	50	100	44	4	12	25	40	23	3	2	30	45
06	162	9	5	100	170	139	14	10	115	180	114	15	17	110	190	92	12	22	135	205	60	9	9	60	135	58	6	6	40	90	46	2	2	20	45	25	3	4	25	40
07	160	12	4	100	150	137	16	10	110	180	115	17	22	130	220	90	19	22	170	225	53	12	16	60	125	52	6	8	65	105	42	6	2	25	50	25	6	2	40	45
08	160	9	6	110	165	133	17	12	95	160	109	22	19	130	190	78	27	11	60	95	42	16	13	75	140	44	8	10	70	115	40	4	4	60	90	25	2	2	40	45
09	160	9	4	110	170	133	14	8	130	190	111	18	18	130	200	82	22	16	120	155	37	16	12	115	190	38	12	6	70	100	38	4	4	70	100	25	4	2	45	60
10	160	9	4	110	170	135	16	6	100	160	106	22	15	110	185	78	24	12	90	140	34	21	9	70	60	38	8	8	70	120	36	6	4	35	50	27	4	4	50	80
11	161	6	4	110	160	137	10	6	80	135	109	18	14	120	200	80	20	10	*	*	39	16	12	70	150	36	10	4	60	95	36	4	2	25	100	27	4	2	50	75
12	164	4	4	110	165	137	10	4	100	165	113	18	12	105	180	88	22	14	160	230	37	14	10	85	125	36	12	5	70	110	38	5	4	25	95	31	2	4	50	80
13	166	4	4	105	160	143	10	6	105	160	121	12	14	135	210	98	16	17	120	190	46	15	16	*	*	45	19	5	*	*	42	6	6	70	110	33	4	4	50	80
14	168	4	4	95	145	145	9	6	120	180	127	9	16	155	250	106	12	19	145	220	59	18	22	120	175	52	10	12	120	185	46	8	6	55	90	35	4	4	50	80
15	168	6	4	85	135	143	12	4	130	145	119	16	7	120	200	98	18	12	120	215	61	21	17	125	195	50	16	6	100	155	46	9	4	55	65	33	12	2	55	80
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17	166	4	4	105	160	142	7	9	115	170	117	12	10	100	160	96	9	13	85	135	57	12	10	90	155	58	9	6	55	100	49	3	3	40	65	31	4	4	40	60
18	162	4	2	90	150	141	5	5	100	160	121	9	6	85	140	100	9	6	55	95	63	4	8	65	110	63	5	5	50	75	50	4	4	30	55	27	4	2	30	50
19	164	3	4	90	150	141	6	4	95	135	120	5	3	70	125	100	9	4	50	90	69	6	8	50	90	62	4	6	35	60	48	6	6	35	65	27	2	4	30	50
20	163	2	3	90	160	142	4	3	100	160	121	6	4	80	130	100	6	2	65	90	68	3	5	50	90	60	6	4	35	70	46	4	8	45	75	25	2	4	30	40
21	162	4	0	115	170	141	8	2	95	145	121	5	2	75	130	100	4	2	60	100	67	2	4	45	80	62	6	8	50	90	40	8	6	40	60	23	4	2	25	40
22	162	3	2	105	165	141	7	2	95	145	122	4	3	75	130	101	5	3	60	100	66	5	3	50	80	58	4	6	60	90	40	8	4	30	55	23	4	2	20	30
23	163	3	3	100	160	143	6	4	105	160	123	6	4	70	120	102	5	4	50	100	67	4	4	35	65	58	4	4	45	75	42	8	6	30	50	24	3	3	25	50

F_{am} = median value of effective antenna noise in db above ktb
D₂ = ratio of upper decile to median in db
V_{dm} = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

USC&AF-RES-18

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Balboa Canal Zone Lat. 9.0N Long. 79.5W

Month November 1962

Hour (LST)	Frequency (Mc)																																								
	.013				.051				.160				.495				2.5				5				10				20												
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm											
00	159	8	6	13.0	18.0	137	10	8	12.0	17.0	120	7	9	9.0	15.0	97	9	5	6.5	11.5	61	6	9	8.0	11.5	54	3	4	5.5	9.5	39	7	6	5.0	7.0	21	4	2	2.0	3.5	
01	159	9	5	12.5	17.5	139	8	7	12.0	17.0	120	8	8	10.0	16.0	99	6	7	7.0	14.0	61	8	6	6.5	10.0	54	2	4	6.0	9.0	37	11	5	4.0	7.0	21	4	4	2.5	4.0	
02	161	7	6	12.0	18.0	139	7	8	12.5	18.0	120	8	9	9.0	15.5	99	7	7	8.0	14.5	61	9	4	8.0	11.5	54	2	4	6.0	8.5	35	4	4	3.5	5.0	21	3	2	2.0	3.0	
03	159	9	5	11.5	17.0	139	8	8	12.0	17.5	120	8	7	10.5	15.5	99	6	8	8.0	13.5	61	8	5	9.0	14.0	54	2	4	5.0	8.0	33	6	4	4.0	6.0	21	2	3	4.5	6.5	
04	161	7	6	12.0	18.0	141	5	11	13.0	19.0	120	7	8	12.0	18.5	97	9	10	10.5	17.5	65	5	9	8.0	13.0	52	4	3	5.5	9.0	33	6	4	3.5	4.0	21	3	2	2.0	3.0	
05	161	6	7	13.0	18.0	139	7	10	13.0	18.5	118	6	14	14.0	21.0	89	12	10	13.0	17.5	61	8	6	10.0	16.5	54	6	7	7.5	13.0	39	6	8	4.0	5.0	21	4	3	2.0	2.5	
06	161	5	7	12.0	17.0	135	9	11	13.5	18.0	113	12	30	16.0	22.0	83	18	12	14.0	21.0	55	6	11	9.0	11.5	54	3	4	6.5	11.5	47	2	5	4.0	6.5	23	4	4	2.0	4.0	
07	158	7	5	12.5	17.5	132	10	13	17.5	23.5	104	18	24	13.0	20.0	80	23	12	12.0	19.5	42	15	9	4.0	6.0	46	6	6	5.0	9.0	43	6	4	4.5	7.5	23	6	2	4.5	5.0	
08	157	7	7	12.5	17.5	129	14	15	16.0	21.0	108	16	23	13.0	20.0	79	23	11	14.5	22.0	37	16	10	8.0	11.0	40	8	6	3.0	6.0	39	4	2	4.0	7.0	25	3	5	4.5	5.0	
09	157	8	7	13.0	18.0	129	14	16	13.0	18.5	100	22	18	15.0	22.0	74	27	9	14.0	20.0	32	18	6	4.0	5.5	36	9	6	8.0	10.0	37	4	2	3.5	5.5	25	4	5	4.0	5.0	
10	157	6	8	13.0	18.0	128	17	14	13.0	19.5	100	28	16	15.0	18.5	77	27	8	15.5	23.5	32	13	7	5.5	8.0	34	9	5	10.0	12.0	37	2	4	4.5	6.5	27	4	6	5.0	7.0	
11	159	6	8	12.0	17.0	131	14	9	12.0	16.0	105	19	15	11.0	17.0	77	20	8	8.5	3.0	31	25	6	3.0	5.5	34	12	8	4.5	6.0	37	2	6	4.0	5.5	27	6	6	4.0	5.0	
12	160	3	5	11.0	16.0	133	8	8	9.5	15.0	108	14	16	11.0	16.0	85	20	16	14.0	23.0	31	16	6	3.0	6.0	32	6	4	6.5	10.0	37	6	4	4.5	6.5	29	4	5	5.5	7.5	
13	161	4	6	11.5	16.0	135	6	6	9.0	14.0	111	13	10	13.0	19.0	89	18	14	12.5	19.5	33	24	8	3.0	4.0	36	10	6	5.0	8.0	39	4	4	3.0	5.0	29	4	6	4.0	6.0	
14	165	4	6	11.5	16.0	139	6	8	12.0	17.0	114	16	16	13.0	19.5	93	16	20	15.5	22.0	42	13	13			42	10	8	8.5	13.0	41	4	4	5.0	6.5	29	6	6	6.0	8.0	
15	163	8	6	12.5	17.5	139	10	10	13.0	17.5	116	10	19	14.0	21.0	94	11	17	15.5	22.0	43	31	13	2.5	5.0	46	12	6	7.5	12.0	43	4	4	4.5	6.0	29	4	4	4.5	5.5	
16	162	5	5	11.5	16.5	135	9	9	13.0	19.0	116	14	19	15.0	22.0	89	15	13	14.0	23.0	43	10	8	5.0	7.0	50	6	4	7.0	12.0	47	4	4	4.0	4.5	29	2	6	5.0	7.0	
17	159	7	5	12.5	17.5	135	7	8	12.5	17.5	109	12	12	12.0	18.0	89	8	12	8.0	22.0	47	11	4	8.5	14.0	56	5	2	5.0	8.0	47	3	2	4.0	6.0	27	3	5	4.0	5.5	
18	158	5	5	14.0	19.0	135	6	8	11.5	17.0	115	6	7	11.0	15.0	95	5	5	10.0	14.0	55	5	5	4	7.5	12.5	60	4	4	5.5	8.0	47	4	7	3.0	6.0	25	3	4	4.0	6.0
19	159	4	6	12.5	18.0	137	4	9	10.5	16.0	116	8	7	8.0	13.0	97	9	6	8.0	11.5	57	6	2	6.5	10.0	56	8	2	6.5	9.0	41	7	3	3.5	5.0	23	6	2	2.5	3.0	
20	166	3	7	13.0	19.0	137	4	7	10.5	16.0	116	8	7	9.0	13.5	97	7	6	6.0	11.5	59	5	7	7.0	12.0	58	4	6	5.0	8.0	39	4	4	4.5	7.0	23	2	2	3.0	3.0	
21	159	5	6	12.0	18.0	137	8	6	11.0	17.5	120	4	9	10.5	13.0	99	5	6	8.0	22.5	58	5	5	6.5	11.0	59	7	4	4	5.0	9.5	37	7	2	4.0	6.0	23	2	4	3.5	4.5
22	159	5	6	12.0	17.5	139	8	9	11.5	16.0	120	5	11	10.0	16.0	99	7	6	7.0	12.0	60	4	5	7.5	12.5	54	7	4	4	4.5	8.0	39	8	6	2.5	4.0	21	4	2	3.0	4.5
23	159	6	4	13.0	18.0	137	10	10	12.5	17.5	120	7	11	10.0	15.0	98	7	6	6.0	12.0	59	6	4	4.5	7.5	54	2	4	5	9.5	39	8				21	4	2	3.0	3.0	

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Bill, Wyoming

Lat. 43.2N Long. 105.2W

Month October

19 62

Hour (ST)	Frequency (Mc)											
	.013				.051				1.60			
	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm
00	158	6	2	11.0 175	134	6	6.0 9.0	8.0 14.0	90	10	4	7.5 14.0
01	158	6	4	11.0 18.0	134	5	6.0 11.0	8.0 14.5	92	8	7.0 13.5	6.3
02	158	6	4	11.0 18.0	134	4	6.5 9.0	7.5 15.0	92	6	7.0 15.0	6.1
03	158	6	4	12.0 19.0	134	5	8	9.0 17.5	91	6	11	8.5 16.0
04	158	5	4	12.5 19.5	132	6	6.0 9.0	10.0 16.5	60	7	9	5.5 10.0
05	156	7	4	12.0 20.5	130	4	5	4.5 7.5	10.6	8	6.5 9.5	5.5
06	156	5	4	12.0 20.0	127	11	10	7.5 12.5	84	18	4	4.0 6.5
07	154	6	4	13.5 19.5	126	9	6	7.5 12.0	82	16	16	9.0 17.5
08	154	6	6	13.0 20.0	124	9	8	8.5 12.0	80	20	12	9.5 17.0
09	155	3	5	12.5 19.5	122	10	6	9.0 14.0	80	16	14	10.0 15.5
10	156			11.0 17.0	125			11.0 17.0	86			9.0 16.0
11	155	6	3	11.5 17.5	123	9	7	9.5 14.5	86	10	16	10.5 16.0
12	156	4	4	10.0 17.0	126	6	8	8.0 13.0	91	7	17	8.5 15.0
13	156	4	4	10.0 16.0	125	7	9	8.0 14.0	90	9	20	8.0 13.5
14	158	4	6	9.0 15.5	128	6	9	7.0 12.5	92	9	21	8.0 14.0
15	157	5	5	10.0 16.0	129	7	11	7.0 12.0	92	13	23	8.5 15.0
16	156	6	4	11.0 17.5	130	8	10	6.5 11.0	92	15	16	7.5 13.5
17	156	6	2	11.0 18.0	128	8	7	6.0 10.0	102	9	11	6.5 13.0
18	158	5	4	11.5 18.5	130	9	8	7.5 14.0	106	9	9	7.0 14.0
19	158	5	4	12.0 19.0	132	8	6	7.0 11.5	108	9	7	7.0 14.0
20	158	6	6	11.0 18.0	134	7	8	6.5 11.0	108	10	7	7.0 14.0
21	158	4	4	11.0 19.0	134	5	6	5.5 9.5	110	8	8	7.0 14.0
22	158	5	4	12.0 19.0	134	5	7	5.5 9.0	110	8	8	7.0 14.0
23	157	6	2	11.5 18.0	134	4	6	5.5 9.0	92	7	10	7.5 13.0

Fam = median value of effective antenna noise in db above ktb

Df = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W

Month September 19 62

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	.013								.051								.160								.495								2.5								5								10								20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*Fam				*D _g				*Vdm				*Ldm				*			

Fam = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

Frequency (Mc)

Hour (EST)	Frequency (Mc)																																																											
	.013						.051						.160						.495						2.5						5						10						20																	
	Fam			Df			Vdm			Ldm			Fam			Df			Vdm			Ldm			Fam			Df			Vdm			Ldm			Fam			Df			Vdm			Ldm			Fam			Df			Vdm			Ldm		
	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm												
00	158	6	4	100	170	134	5	7	80	150	114	6	7	75	130	95	7	8	70	120	63	6	6	40	80	56	6	2	40	80	44	4	9	35	50	25	2	4	20	30	25	2	4	20	30	25	2	4	20	30										
01	158	4	4	100	170	134	4	5	80	145	112	8	6	80	150	93	8	6	70	130	63	6	6	45	75	56	6	4	40	70	42	6	8	40	60	26	2	5	15	30	26	2	5	15	30															
02	157	5	3	105	165	132	4	6	80	125	112	6	6	85	155	93	6	8	75	150	63	6	7	40	75	56	4	4	40	75	38	8	7	25	50	25	3	3	20	30	25	3	3	20	30															
03	156	6	2	115	180	132	4	6	80	130	110	7	8	100	190	93	3	11	85	165	64	5	10	40	70	56	3	4	40	70	39	5	7	25	45	26	4	5	20	35	26	4	5	20	35															
04	156	5	2	115	180	132	4	8	80	140	106	9	10	120	180	89	5	15	70	165	60	9	7	45	70	56	3	6	45	85	38	4	7	20	65	26	2	5	20	10	26	2	5	20	10															
05	154	4	2	120	185	128	5	7	80	110	96	15	10	110	195	69	15	5	65	95	57	10	8	40	65	54	6	6	40	65	40	2	2	15	30	26	1	4	20	30	26	1	4	20	30															
06	154	5	4	120	190	123	9	6	100	150	84	21	8	80	140	65	8	4	45	65	57	10	6	15	25	48	6	4	25	50	40	4	4	40	60	26	2	3	25	40	26	2	3	25	40															
07	154	5	6	120	190	124	6	10	70	110	84	16	12	60	100	64	6	5	25	50	49	2	4	15	30	44	4	6	25	40	38	7	2	25	45	28	2	6	35	55	28	2	6	35	55															
08	152	6	4	115	185	122	8	11	90	140	80	18	7	75	110	65	8	4	30	45	49	2	3	15	25	42	3	4	15	30	36	6	3	45	85	28	4	5	40	60	28	4	5	40	60															
09	153	6	5	120	180	122	6	8	100	160	86					49	4		40	70	49	4	4	40	30	42	4	8	20	40	34			60	80	27			25	45	27			25	45															
10	153			90	145	122			100	140	84	18	8	90	160	65	6	4	30	50	49			20	35	42					34			60	80	27			25	45	27			25	45															
11	155	5	5	115	170	123	5	9	105	170	87	13	13	12	90	160	65	4	4	45	60	49	2	6	15	30	44	2	9	20	30	35	7	7	65	90	30	10	7	75	140	30	10	7	75	140														
12	156	4	5	90	140	126	3	12	100	145	90	10	14	100	130	65	8	5	35	55	49	2	5	20	30	44	2	10	20	30	37	8	8	45	70	30	9	7	75	95	7	75	95																	
13	157	3	8	100	150	126	3	11	95	155	92	16	16	90	160	64	10	2	30	55	49	3	5	10	25	44	3	7	15	40	38	8	7	55	85	32	6	10	50	90	32	6	10	50	90															
14	158	3	8	100	155	126	10	12	100	150	93	18	15	90	140	65	14	2	40	60	49	4	5	15	30	44	4	2	8	20	40	40	6	7	35	60	32	4	8	45	60	32	4	8	45	60														
15	151	6	6	105	165	126	11	10	95	145	90	19	12	85	150	67	18	6	30	60	49	3	6	10	20	44	8	5	20	40	46	2	10	30	60	32	6	8	40	65	32	6	8	40	65															
16	155	5	7	110	170	128	5	11	85	145	92	19	13	75	150	69	12	6	45	70	51	6	6	20	35	47	10	5	20	35	48	3	7	25	40	30	6	9	35	50	30	6	9	35	50															
17	156	6	6	105	160	128	6	10	90	140	104	9	10	70	130	83	12	12	60	115	55	10	6	20	45	52	6	6	35	55	48	4	8	35	60	28	4	5	25	40	28	4	5	25	40															
18	157	5	5	110	175	130	6	8	80	140	110	6	14	65	140	93	8	8	55	115	61	8	6	40	55	55	7	7	40	70	48	3	11	30	50	26	4	5	20	30	26	4	5	20	30															
19	158	4	6	105	175	132	6	8	80	135	110	8	10	70	135	93	8	10	65	125	61	10	6	50	75	56	6	8	35	70	45	3	11	35	35	26	4	5	20	35	26	4	5	20	35															
20	158	4	8	100	180	132	8	10	70	130	112	8	11	70	140	95	4	10	55	120	63	6	8	45	80	56	4	9	30	70	42	6	9	25	40	26	2	5	20	30	26	2	5	20	30															
21	157	3	6	100	170	132	6	10	85	130	112	6	10	80	140	93	6	10	55	125	63	6	8	35	65	56	5	7	40	75	40	6	6	30	50	26	3	5	20	30	26	3	5	20	30															
22	158	4	8	100	175	134	4	10	80	130	112	8	8	70	135	95	5	10	60	110	61	8	6	40	60	56	4	7	40	75	42	4	7	20	40	26	2	5	20	40	26	2	5	20	40															
23	158	5	5	100	165	134	5	8	80	125	113	7	8	70	130	93	7	7	60	110	61	8	8	40	70	56	6	5	30	60	42	7	8	30	60	26	2	6	15	30	26	2	6	15	30															

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

USCAR-13-R

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W

Month November 1962

Hour (EST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	.013										.051										160										.495										2.5										5										10										20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

Df = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

Hour (LST)	Frequency (Mc)																																															
	.051						.113						.246						.545						2.5						5						10						20					
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}								
00	112	4	4			90	8	4			69	2	6			49	12	2			20	13	2			29	12	13			26	6	7			24	1	2										
01	112	4	4			92	7	7			69	2	4			50	8	3			19	14	1			26	15	11			24	6	8			22	4	1										
02	112	6	5			90	8	6			68	3	5			49	7	2			20	10	2			22	20	8			24	6	12			22	4	2										
03	112	4	6			92	5	8			68	4	4			51					20	10	3			23	13	10			24	6	13			22	3	2										
04	112	4	4			92	7	6			72	1	5			50					21	4	3			19	16	6			21	7	8			22	2	2										
05	110	6	2			90	6	4			72	2	8			49	14	3			21	6	3			20	14	6			23	5	5			22	2	2										
06	112	4	4			92	4	6			68	6	4			49	14	2			20	8	2			19	12	7			20	7	8			22	2	2										
07	112	4	6			92	4	8			68	9	4			49	16	2			20	7	2			16	14	4			20	5	9			22	4	4										
08	112	4	6			92	5	6			69	3	5			49	18	3			20	4	2			16	9	4			21	5	9			22	4	3										
09	112	4	6			92	4	8			68	6	4			51	17	4			20	5	3			17	5	5			21	5	10			22	2	3										
10	110	6	6			90	8	6			68	5	4			49	17	4			20	7	2			15	12	3			22	6	6			22	4	2										
11	112	4	6			92	2	6			68	5	5			51	13	5			20	2	2			19	4	7			23	5	4			22	2	1										
12	111	4	5			92	4	7			68	6	4			49	7	4			20	4	2			22	5	8			24	2	3			22	2	0										
13	110	4	5			90	8	6			68	6	5			49	10	4			20	3	1			28	5	8			26	2	5			24	2	2										
14	110	4	6			92	6	6			68	6	4			49	6	4			20	5	2			30	6	10			26	3	3			22	2	0										
15	110	4	4			91	5	5			71	4	6			55					21	5	2			32	7	11			28	5	3			22	4	0										
16	112	4	6			92	6	6			71	4	3			52					22	7	3			36	5	11			29	6	5			24	2	2										
17	112	4	4			92	4	8			68	2	3			49	8	2			23	9	4			34	10	11			29	7	4			24	2	2										
18	112	4	6			92	4	6			68	2	3			49	8	2			21	6	2			34	10	9			30	2	7			24	1	4										
19	112	4	4			92	5	6			68	3	4			49	11	2			21	9	2			33	9	12			28	7	9			22	3	4										
20	110	6	2			92	8	6			68	4	3			49	10	4			21	8	3			32	9	15			28	7	10			22	3	2										
21	112	4	4			92	6	6			69	3	5			51	8	4			21	3	3			32	8	14			26	6	6			24	0	2										
22	112	4	4			92	6	6			68	3	4			49	10	2			20	9	2			30	9	13			26	5	4			22	0	2										
23	114	2	6			92	4	7			67	5	2			49	8	2			21	6	3			31	9	18			27	6	12			22	4	4										

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Byrd Station, Ant.

Lat. 80.05 Long. 120.0W

Month October 19 62

Hour (LST)	Frequency (Mc)																																															
	.051						.113						.246						.545						2.5						5						10						20					
	F _m	D _u	V _{dm}	L _{dm}	F _m	D _u	L _{dm}	F _m	D _u	V _{dm}	L _{dm}	F _m	D _u	V _{dm}	L _{dm}	F _m	D _u	V _{dm}	L _{dm}	F _m	D _u	V _{dm}	L _{dm}	F _m	D _u	V _{dm}	L _{dm}	F _m	D _u	V _{dm}	L _{dm}	F _m	D _u	V _{dm}	L _{dm}													
00	104	10	6		84	8	6	65	3	1		49	10	4		19	7	2		25	8	12		27	4	12		13	2	2																		
01	106	6	12		84	8	6	65	3	1		49	8	4		20	12	2		21	12	6		26	4	14		13	2	2																		
02	104	6	6		86	6	6	65	2	1		49	5	4		19	16	2		21	13	8		22	6	5		11	2	2																		
03	104	4	6		86	6	6	66				52				20	11	3		17	14	4		22	6	9		11	2	2																		
04	104	6	8		88	6	6	66				52				19	7	2		16	15	4		17	9	8		11	2	4																		
05	102	10	4		86	6	4	66	11	2		49	8	4		19	9	3		15	13	3		16	9	7		11	2	4																		
06	102	10	6		84	8	6	65	11	1		49	6	4		19	4	3		15	8	3		15	11	5		9	4	2																		
07	102	12	4		84	8	6	66	7	2		49	4	4		19	6	3		15	6	2		17	7	7		11	2	4																		
08	100	8	2		84	8	8	66	7	2		47	6	2		19	14	3		16	5	5		22	6	10		11	2	4																		
09	102	8	6		84	6	4	67	8	3		47	10	2		20	12	4		15	2	4		20	6	8		11	2	2																		
10	102	8	4		84	10	4	66	5	2		49	2	4		19	13	3		14	4	2		20	6	5		11	2	2																		
11	104	8	8		88	6	8	66	4	2		47	4	2		19	14	3		13	4	2		21	4	8		11	2	2																		
12	104	8	8		86	6	8	65	5	1		47	3	1		19	2	3		14	6	1		22	6	4		11	2	2																		
13	104	8	11		86	4	7	66	3	2		47	4	2		20	1	4		19	5	6		23	3	4		13	2	2																		
14	104	8	10		84	8	6	65	3	1		47	4	2		19	4	3		21	8	8		24	6	3		13	2	2																		
15	105	5	7		86	5	4	65				47				19	4	3		21	8	7		27	5	6		13	2	2																		
16	103	7	7		90	6	4	85				47				20	19	4		23	9	8		27	5	8		13	2	2																		
17	106	6	8		86	10	6	66	4	2		47	6	2		18	5	2		20	10	8		24	7	8		13	2	2																		
18	104	8	8		86	10	6	65	5	1		47	10	2		18	5	2		17	12	4		24	7	4		11	4	0																		
19	104	8	10		86	8	6	65	4	1		47	10	2		18	3	2		23	14	8		25	5	11		13	0	4																		
20	102	12	6		86	8	6	66	1	2		47	6	2		19	3	3		25	11	12		25	4	11		13	0	4																		
21	102	10	4		85	9	5	65	3	3		47	7	2		19	6	3		21	14	7		24	8	10		13	0	4																		
22	103	9	9		88	5	9	65	4	1		49	4	4		19	5	2		26	10	9		26	4	8		13	2	2																		
23	104	8	12		86	6	8	65	4	1		47	7	2		19	5	3		28	10	11		28	3	12		13	2	2																		

F_m = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_l = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

Hour (LST)	Frequency (Mc)											
	.051				.113				.246			
	F _{am} [*]	D _u	D _g	V _{dm}	F _{am} [*]	D _u	D _g	V _{dm}	F _{am} [*]	D _u	D _g	V _{dm}
00	110				92				64			
01	110				95				65			
02	110				98				69			
03	110				97				67			
04	110				98				69			
05	110				98				64			
06	110				98				65			
07	110				97				65			
08	110				98				65			
09	109				94				65			
10	110				96				65			
11	112				96				70			
12	111				97				64			
13	109				97				66			
14	112				98				67			
15	110				98				65			
16	110				100				63			
17	110				98				66			
18	112				97				67			
19	112				96				66			
20	114				96				64			
21	111				96				62			
22	110				96				63			
23	112				95				65			

Frequency (Mc)											
.545				2.5				5			
F _{am} [*]	D _u	D _g	V _{dm}	F _{am} [*]	D _u	D _g	V _{dm}	F _{am} [*]	D _u	D _g	V _{dm}
56				19				24			
60				20				20			
59				20				20			
60				18				18			
62				21				22			
58				20				19			
60				22				22			
61				20				15			
56				22				18			
56				18				16			
58				20				18			
60				18				17			
56				18				16			
56				18				18			
60				19				20			
60				20				22			
58				19				24			
58				18				24			
55				22				24			
54				18				27			
53				18				21			
54				19				20			
59				20				28			

F_{am} = median value of effective antenna noise in db above k1b
D_u = ratio of upper decile to median in db
D_g = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6S Long. 130.4E

Month September 1962

Hour (LST)	Frequency (Mc)																																			
	.013				.051				.160				.545				2.5				5				10				20							
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}						
	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
00	153	3	2	6.5	10.5	124	7	2	8.5	15.0	102	4	6	8.0	14.0	77	9	4	6.0	12.0	52	10	4	5.0	9.5	40	6	5	4.5	7.5	20	0	2	3.0	4.0	
01	153	4	0	7.0	12.0	126	5	2	8.0	13.5	102	4	6	7.0	12.0	77	8	4	5.5	10.0	52	6	8	4.0	8.0	38	4	4	3.5	6.0	20	2	0			
02	153	3	0	7.0	11.5	126	5	2	9.0	14.0	102	5	4	7.0	12.5	77	8	4	6.5	13.0	52	9	6	4.5	8.5	36	5	4	2.5	5.0	20	2	0	2.5	3.5	
03	153	5	0	7.5	12.0	128	3	4	6.5	11.5	102	4	6	7.0	12.5	75	9	2	7.5	13.5	52	8	5	5.0	9.5	34	3	4	5.0	8.0	20	2	0	2.5	3.5	
04	155	2	2	7.5	12.5	126	4	2	9.0	13.0	100	4	6	7.5	12.5	77	6	3	5.5	11.0	52	9	6	5.0	10.0	32	6	3	2.5	4.0	20	2	0	4.5	6.0	
05	153	2	2	8.0	13.5	126	3	4	8.5	13.5	96	6	4	7.5	13.5	71	8	6	7.0	14.0	50	7	4	5.5	8.5	30	4	6	4.0	6.5	20	1	0			
06	153	2	2	8.0	13.0	120	4	3	7.0	12.5	82	11	8	11.5	18.0	47	14	10	*	*	*	42	13	5	5.5	10.0	46	5	7	4.0	7.5	20	2	0	4.0	9.0
07	149	2	2	8.0	12.5	114	4	3	8.5	13.5	68	14	5	11.0	16.5	39	18	2	4.0	7.0	28	10	8	5.5	10.0	32	10	7	4.0	6.0	20	3	0	2.5	4.5	
08	147	4	2	9.0	14.5	106	7	5	11.0	16.0	64	17	6	6.5	10.0	39	19	2	5.0	7.5	20	14	2	2.5	19.5	20	11	6	6.0	8.0	20	2	1	2.5	4.0	
09	147	4	2	10.0	16.0	106	10	4	12.5	19.5	60	20	3	3.5	4.5	37	17	0	*	*	*	20	16	2	7.0	13.0	16	12	6	5.0	6.5	20	4	2	3.5	5.0
10	147	4	2	12.0	17.5	108	6	6	14.0	22.0	64	12	6	9.0	12.0	43	10	6	2.5	4.0	18	12	0	10.0	13.5	14	8	4	2.5	4.0	20	2	2	2.5	3.5	
11	149	2	6	12.5	19.0	110	4	6	12.0	20.5	64	14	4	8.0	13.0	48	5	11	3.0	5.0	18	4	0	3.5	5.0	16	5	4	3.0	4.0	20	2	0	3.5	5.0	
12	149	2	4	11.5	18.5	112	6	6	15.0	23.0	68	11	9	14.0	21.5	51	4	14	3.0	4.5	18	6	0	3.5	6.5	14	11	4	4.0	6.0	20	2	0			
13	149	4	4	14.0	21.0	110	10	4	12.5	21.0	68	18	8	10.0	14.0	49	14	12	3.0	8.0	18	4	0	*	*	16	4	6	5.0	6.0	20	2	0			
14	149			12.0	20.0	112			11.5	17.5	68			15.0	25.0	53	2	13	2.0	16.0	*			*	3.0	6.0	22									
15	151	3	5	10.0	16.5	112	6	5	8.5	14.5	68	23	7	6.0	10.5	46	9	9	4.5	7.0	22	10	4	5.5	8.5	22	12	6	6.5	9.0	20	2	2	3.0	4.5	
16	151	4	7	9.0	14.5	110	9	5	9.0	15.0	76	16	17	11.5	18.5	45	13	8	5.0	9.0	23	13	5	3.5	7.5	26	17	7	6.0	12.5	20	3	0	3.0	5.0	
17	151	2	3	8.5	13.5	110	12	2	9.0	15.0	81	17	11	12.5	22.0	65	12	10	7.0	14.5	32	17	6	8.5	12.5	40	11	13	6.0	9.5	20	2	0	2.5	4.0	
18	149	4	2	10.0	15.0	116	7	6	9.5	16.0	90	15	8	12.5	21.5	71	14	4	7.5	14.5	46	14	4	6.0	11.0	46	12	8	5.5	10.0	20	2	0	3.5	5.0	
19	151	6	2	10.0	15.5	120	8	4	10.0	18.0	94	11	7	9.5	17.0	79	10	6	5.0	10.5	50	16	2	6.0	12.0	52	8	9	5.0	10.0	20	2	0	3.5	5.0	
20	153	4	4	8.0	13.0	122	8	4	9.0	15.0	96	9	4	8.5	15.0	81	6	4	5.5	12.0	54	12	6	6.5	11.5	52	8	8	5.0	10.0	44	2	4	4.0	7.5	
21	153	3	2	8.5	14.0	122	6	2	9.0	15.0	98	9	4	7.0	13.0	81	8	4	5.0	10.5	54	12	6	5.5	11.0	50	8	4	5.5	10.0	42	4	2	4.5	7.5	
22	153	3	4	8.0	12.0	124	6	4	9.0	16.0	102	4	7	9.5	17.0	83	5	8	6.0	13.0	54	11	6	6.5	12.0	50	8	8	5.5	10.0	42	4	2	4.0	8.0	
23	153	4	2	7.0	11.0	124	7	2	10.0	16.0	100	7	4	8.0	15.5	79	8	4	7.0	13.0	54	10	6	5.5	11.0	48	9	3	6.5	11.5	42	2	6	3.0	4.5	

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6S Long. 130.4E

Month October

19 62

Frequency (Mc)

Frequency (Mc)																																									
.051						.160						.545						2.5						5						10						20					
F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}						
00	157	4	2	75	115	131	8	4	85	150	108	13	6	95	185	93	10	11	100	165	66	8	14	85	145	58	6	8	65	125	44	6	5	40	60	21	2	0	25	35	
01	157	4	2	80	120	131	9	2	130	190	108	12	6	80	150	90	11	9	80	150	67	7	15	80	125	57	6	7	65	110	43	12	7	45	70	21	2	0	30	35	
02	157	4	2	90	135	133	6	6	95	170	107	11	6	95	175	64	8	14	70	130	56	6	7	55	100	56	6	7	55	100	41	5	4	40	70	21	2	0	30	35	
03	157	4	2	95	150	131	8	4	100	160	106	10	7	100	185	87	10	8	100	185	64	6	10	75	135	56	4	5	55	100	39	9	8	45	75	21	0	0	30	30	
04	157	2	4	90	150	129	8	4	110	185	102	13	5	85	155	83	14	7	95	170	62	8	10	75	130	54	5	4	55	90	37	4	8	40	65	21	0	0	30	30	
05	157	2	4	95	155	127	7	6	95	155	96	12	13	110	195	65	19	19	105	180	58	8	13	95	150	54	2	6	50	90	39	6	8	30	60	21	0	0	30	35	
06	154	3	3	95	155	119	11	3	100	160	84	27	11	140	235	43	28	2	90	135	44	13	8	90	150	44	7	9	75	115	39	4	7	35	60	21	2	1	30	40	
07	151	4	2	110	170	113	17	8	135	210	81	27	17	105	185	47	42	6	70	100	36	26	14	130	180	32	23	10	80	160	33	7	4	40	65	21	7	0	25	40	
08	152	5	5	110	175	113	20	8	115	205	78	28	14	125	210	45	33	4	90	115	22	26	2	60	75	22	24	8	115	140	29	8	7	35	55	21	2	0	30	50	
09	152	9	5	120	195	113	20	6	130	200	78	28	12	105	195	51	29	10	150	265	20	25	0	*	*	27	20	10	95	180	27	10	2	45	60	21	4	2	30	40	
10	151	9	5	140	210	115	12	6	135	230	86	20	18	85	170	51	27	10	35	65	20	28	0	55	75	24	20	9	110	180	29	10	4	50	65	21	4	0	30	40	
11	151	8	3	140	205	118	22	7	125	195	83	35	15	70	120	53	19	12	40	60	21	18	1	70	95	22	31	7	125	160	27	10	4	40	55	21	4	0	30	40	
12	153	16	4	150	210	123	19	10	120	200	89	39	19	85	125	55	44	12	60	105	20	61	0	75	115	24	17	8	90	120	29	21	6	40	60	21	4	0	50	60	
13	155	7	6	125	195	125	20	8	110	190	100	28	26	145	85	57	48	13	40	60	20	47	0	120	190	26	30	9	105	180	31	15	6	40	60	23	6	2	25	40	
14	157	*	*	105	175	131	19	16	85	150	103	22	25	90	150	59	39	14	65	90	21	*	*	80	155	36	22	16	60	115	36	9	7	55	95	23	6	2	30	40	
15	157	7	3	90	150	125	18	12	80	140	92	26	15	90	150	55	33	10	30	55	22	45	2	70	130	31	24	9	65	115	37	6	4	50	75	25	4	4	40	50	
16	156	6	3	85	145	125	19	10	70	125	95	25	18	65	115	55	37	12	70	105	29	28	8	50	80	40	12	13	50	90	43	5	6	45	80	25	8	2	25	40	
17	156	5	5	90	150	127	12	18	100	155	100	21	16	90	180	69	34	17	60	110	47	31	16	55	90	51	14	12	50	100	45	8	4	40	70	25	10	2	35	55	
18	156	10	5	95	150	127	16	10	90	160	106	17	10	90	155	85	16	11	50	100	58	18	14	40	75	55	10	7	45	80	47	4	3	45	70	23	4	0	40	60	
19	156	5	3	90	150	131	10	8	90	150	108	11	10	75	145	91	11	14	60	125	64	11	12	55	100	59	8	11	45	100	47	4	4	30	55	23	4	2	30	30	
20	157	4	4	95	150	131	10	7	80	140	106	12	6	85	165	89	12	7	65	135	66	8	16	50	110	58	9	12	50	90	47	4	6	40	70	23	2	0	30	30	
21	157	4	4	100	150	131	9	5	90	150	108	11	8	80	140	91	10	6	60	110	66	8	17	65	130	60	4	9	60	110	47	15	5	50	80	23	2	2	25	30	
22	156	5	3	90	130	131	8	4	100	165	108	11	8	100	150	93	7	10	70	135	65	9	9	70	130	58	6	8	60	125	47	11	5	50	85	23	2	2	30	40	
23	157	4	4	80	120	131	7	4	100	160	109	10	6	90	160	91	8	9	70	150	66	8	14	75	135	58	6	8	70	115	45	5	4	40	70	21	2	0	40	40	

F_m = median value of effective antenna noise in db above ktb

D_f = ratio of upper decile to median in db

D_f = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

CGS-100-10

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Cook, Australia

Lat. 30.6S. Long. 130.4E.

Month November 1962.

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	0.13					0.51					1.60					5.45					2.5					5					10					20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
00	157	4	2	80	135	132	4	6	90	165	108	5	6	65	130	86	8	7	60	130	64	9	5	60	110	55	6	2	50	90	49	2	6	40	65	23	2	1	25	45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
01	157	3	2	75	130	130	6	4	85	160	106	7	6	70	140	85	10	6	70	140	66	6	8	50	95	57	5	4	45	80	46	4	3	40	70	23	2	2	25	45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
02	157	4	2	75	150	130	4	4	95	170	104	8	5	80	160	82	7	6	90	150	64	7	6	50	90	57	4	6	45	80	43	5	4	45	75	21	3	0	25	40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
03	157	4	2	90	150	130	4	4	100	160	104	6	6	95	170	80	10	6	70	140	64	6	8	50	75	57	5	4	50	100	43	5	6	50	75	23	0	2	30	45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
04	157	3	3	90	165	128	8	4	100	175	102	10	10	95	175	72	8	6	85	185	62	9	6	60	110	57	3	6	45	85	41	4	7	35	65	23	0	2	25	40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
05	157	3	4	100	160	122	8	3	100	170	82	14	6	110	175	42	27	2	60	130	56	5	14	75	130	51	4	2	30	80	39	10	0	30	55	23	1	2	25	40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
06	155	3	4	100	150	120	8	7	105	190	74	18	11	60	115	42	21	2	125	245	37	9	8	75	115	39	7	4	50	90	35	6	4	25	50	23	3	2	25	45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
07	155	2	4	100	205	118	7	8	110	190	74	24	11	60	110	44	19	4	110	180	26	8	4	50	115	27	11	8	75	125	33	7	2	30	55	23	4	2	30	50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
08	153	4	4	120	190	116	10	8	120	200	76	24	12	115	175	46	16	6	75	75	24	11	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

1962

Frequency (Mc)																			
				2.5				5				10				20			
F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}
00					55					50					42				
01					51					45					44				
02					49					45					52				
03					47					51					38				
04					51					53					36				
05					41					42					37				
06					40					36					38				
07					41					42					43				
08					37					39					34				
09					43					31					32				
10					37					35					32				
11					35					34					30				
12					37					37					34				
13					47					36					36				
14					36					35					34				
15					39					35					46				
16					39					38					46				
17					45					43					47				
18					47					49					54				
19					55					58					56				
20					59					58					46				
21					57					59					46				
22					55					56					44				
23					47					49					48				

σ_{dm} = median deviation of average storage in db below mean power
 σ_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 40-50N Long. 67.5-82.5W Month April

19 62

Frequency (Mc)																				
				2.5				10				20								
Hour (LST)	F _{am}	D _u	D _L	V _{dm}	L _{dm}	F _{am}	D _u	D _L	V _{dm}	L _{dm}	F _{am}	D _u	D _L	V _{dm}	L _{dm}	F _{am}	D _u	D _L	V _{dm}	L _{dm}
00							77					46					28			
01							81					48					28			
02							73					62					28			
03							55					56					30			
04							49					42					28			
05							45					32					28			
06							35										30			
07																	28			
08																	28			
09																	30			
10							45					26					26			
11							63					24					24			
12																				
13																				
14																	28			
15																				
16																				
17																				
18																				
19							81					64					26			
20							81					74					28			
21							79					70					26			
22							75					72					28			
23							75					70					24			

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_L = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin

Lat: 40-50N Long: 52.5-67.5W Month April

19 62

Frequency (Mc)

Frequency (Mc)																																
						2.5						5						10						20								
Hour (LST)		F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	
00							63					66						60					26						26			
01							64					61						70					24						24			
02							63					59						53					30						30			
03							47					55						53					26						26			
04							42					53						57					25						25			
05							31					48						54					25						25			
06							42					44						50					25						25			
07							35					43						48					26						26			
08							35					42						46					24						24			
09							32					32						46					24						24			
10							37					37						40					26						26			
11							33					33						46					26						26			
12							45					45						32					26						26			
13							45					59						50					28						28			
14							55					67						58					26						26			
15							51					67						59					26						26			
16							67					69						63					34						34			
17							72					77						64					26						26			
18							85					77						67					28						28			
19							79					75						65					32						32			
20							73					75						68					28						28			
21							73					69						56					32						32			
22							71					75						62					30						30			
23							67					69						65					26						26			

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_L = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin

Lat. 40-50N Long. 37.5-52.5W Month April 19 62

Frequency (Mc)																															
								2.5				5				10				20											
F _{am}	D _u	D _g	V _{dm}	L _{dm}	F _{am}	D _u	D _g	V _{dm}	L _{dm}	F _{am}	D _u	D _g	V _{dm}	L _{dm}	F _{am}	D _u	D _g	V _{dm}	L _{dm}	F _{am}	D _u	D _g	V _{dm}	L _{dm}	F _{am}	D _u	D _g	V _{dm}	L _{dm}		
00										82						72					34						31				
01										81						69					48						28				
02										79						71					48						29				
03										79						67					50						28				
04										79						69					45						32				
05										71						64					53						30				
06										59						51					53						29				
07										40						43					47						28				
08										41						39					40						28				
09										43						44					37						26				
10										34						29					34						26				
11										37						30					33						26				
12										32						30					36						25				
13										42						31					39						26				
14										37						31					46						26				
15										31						35					37						28				
16										59						51					41						28				
17										57						56					54						28				
18										61						64					54						32				
19										71						69					57						30				
20										77						69					58						32				
21										77						73					57						29				
22										75						69					56						30				
23										77						68					53						29				

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 20-30N Long. 67.5-82.5W Month May 19 62

Hour (LST)	Frequency (Mc)																																					
	.013				.051				.160				.495				2.5				5				10				20									
	F _{am} [#]	D _g	V _{dm}	L _{dm}	F _{am} [#]	D _g	V _{dm}	L _{dm}	F _{am} [#]	D _g	V _{dm}	L _{dm}	F _{am} [#]	D _g	V _{dm}	L _{dm}	F _{am} [#]	D _g	V _{dm}	L _{dm}	F _{am} [#]	D _g	V _{dm}	L _{dm}	F _{am} [#]	D _g	V _{dm}	L _{dm}	F _{am} [#]	D _g	V _{dm}	L _{dm}	F _{am} [#]	D _g	V _{dm}	L _{dm}		
00	150				140				97				121				80				60				53					27								
01	145				135				97				117				79				55				44					26								
02	145				136				93				116				79				55				43					26								
03	145				141				93				116				80				67				45					26								
04	145				136				95				118				81				67				44					31								
05	136				123				77				99				78				63				45													
06	136				123				81				103				64				53				51													
07	142				127				81				109				54				49																	
08	148				129				83				109				50				43				49													
09	148				127				83				111				58				41				43													
10									77				111																									
11	152				133				83				115				50				37				53													
12	154				137				83				117				57				41				45													
13	155				139				83				122				63				45				51													
14	153				139				98				122				69				47				50													
15	153				127				77				129				67				45				56													
16	127				115				91				110				67				49				58													
17	151				133				92				113				65				55				56													
18	149				131				94				110				66				59				60													
19	149				133				91				115				73				67				64													
20	150				137				77				112				82				67				53													
21	127				145				84				111				84				68				52													
22	130				128				86				110				83				67				57													
23	155				141				97				122				84				70				57													

F_{am} = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USNS EITANIN

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MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 10-20N Long. 67.5-82.5W Month May

19 62

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	F _{am} ⁺	D _u	D _l	V _{dm}	L _{dm}	F _{am} ⁺	D _u	D _l	V _{dm}	L _{dm}	F _{am} ⁺	D _u
00	153					103						
01	149					102						
02	149					102						
03	149					100						
04	150					97						
05	156					103						
06	152					97						
07	150					89						
08	152					87						
09	150					90						
10	140					56						
11						91						
12	154					91						
13	154					105						
14	158					103						
15	158					105						
16	158					101						
17	158					99						
18	158					101						
19	154					103						
20	156					105						
21	152					103						
22	154					105						
23	154					102						

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin Lat. 0-10N Long. 67.5-82.5W Month May 19 62

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	F _{am}	D _u	D _f	L _{dm}	F _{am}	D _u	D _f	L _{dm}	F _{am}	D _u	D _f	L _{dm}
00	158				151				135			
01	160								139			
02												
03												
04												
05	160				147				131			
06	156				157				133			
07	156				149				127			
08	154				151				129			
09	156				149				133			
10	158				149				131			
11	156				147				131			
12	152				141				129			
13	154				139				121			
14	158				147				139			
15	164				147				135			
16	160				149				129			
17	156				149				131			
18	158				145				133			
19	158				145				127			
20	156				143				125			
21	160								133			
22	160								131			
23	159				150				132			

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_f = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

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MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin Lat. 0-10N Long. 67.5-82.5W Month June 19 62

Hour (LST)	Frequency (Mc)																															
	.013				.051				.160				.495																			
	F _{am} ⁺	D _u	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _u	D _g	V _{dm}	L _{dm}	F _{am} ⁺	D _u	D _g	V _{dm}	L _{dm}	F _{am}	D _u	D _g	V _{dm}	L _{dm}	F _{am}	D _u	D _g	V _{dm}	L _{dm}	F _{am}	D _u	D _g	V _{dm}	L _{dm}		
00	169					150					134					110																
01	169					151					136					112																
02	169					151					134					110																
03	169					152					132					102																
04	169					153					128					104																
05	169					151					126					102																
06	165					149					124					104																
07	163					147					124					102																
08	163					141					122					98																
09	161					143					124					98																
10	160					141					125					102																
11	156					139					128					105																
12	159					152					138					112																
13	161					141					129					112																
14	161					151					124					94																
15	161					147					126					101																
16	157					147					123					104																
17	165					144					128					106																
18	165					145					128					98																
19	167					149					128					102																
20	167					149					128					104																
21	169					151					126					108																
22	169					150					130					108																
23	170					151					132					110																

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 0-10S Long 67.5-82.5W Month June 19 62

Hour (LST)	Frequency (Mc)																																																											
	.013						.051						.160						.495						2.5						5						10						20																	
	F _{am}			D _g			V _{dm}			L _{dm}			F _{am}			D _g			V _{dm}			L _{dm}			F _{am}			D _g			V _{dm}			L _{dm}			F _{am}			D _g			V _{dm}			L _{dm}			F _{am}			D _g			V _{dm}			L _{dm}		
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}												
00	157		9.0	15.0	139		7.0	13.0	119		5.5	10.5	100		6.0	9.5	72		6.6				39				30																																	
01	159		8.0	14.0	141		9.0	13.0	119		5.0	10.0	100		6.5	11.0	74		6.8				39				30																																	
02	159		8.0	14.5	141		8.0	12.0	120		5.5	10.5	98		6.0	10.5	74		6.9				41				28																																	
03	157		8.5	14.0	141		8.0	14.0	119		6.0	10.5	96		6.5	11.5	74		6.9				36				28																																	
04	157		7.5	14.5	141		7.0	13.5	121		6.5	12.0	96		8.5	12.0	74		6.8				41				30																																	
05	157		11.0	16.0	141		10.0	15.5	117		8.0	14.0	94		12.0	11.0	72		6.5				33				28																																	
06	157		10.0	16.0	135		10.5	12.5	97		6.5	13.0	66		8.0	7.0	68		6.1				37				28																																	
07	155		10.0	17.0	127		10.0	17.0	89		10.0	16.5	62				56		5.8				35				28																																	
08	155		12.0	17.5	123		11.0	17.0	94		9.5	12.0	61		7.5	18.0	35		5.3				32				28																																	
09	153		11.0	16.5	124		11.5	19.0	93		12.0	19.0	61				33		4.4				28				27																																	
10	154		11.0	17.5	126								79				33		3.9				25				28																																	
11	155		11.5	17.0	123		11.0	16.0	92		10.0	17.5	64		6.0	6.0	40		3.7				25				28																																	
12	157		11.0	15.0	127		11.0	17.5	91		10.0	17.0	64		5.5	9.0	36		4.1				25				28																																	
13	157		9.0	16.0	129		8.5	15.0	95		9.5	15.0	64		7.0	13.0	42		4.2				27				30																																	
14	157		8.5	14.0	129		9.5	14.5	95				64		11.0	15.5	38		4.4				24				31																																	
15	157		6.0	11.0	130		8.0	13.0	95		8.0	12.5	66		4.5	4.0	37		4.5				27				32																																	
16	159		7.0	11.5	129		7.5	15.0	93		9.0	15.5	66		7.5	10.0	42		5.5				35				32																																	
17	157		6.5	11.5	127		8.0	14.0	90		8.5	14.5	74		16.5	16.5	58		6.3				34				36																																	
18	155		6.5	11.0	127		9.0	14.0	107		10.0	15.0	88		9.5	10.5	64		7.3				39				32																																	
19	153		8.0	13.5	133		10.0	16.5	113		8.0	13.5	96		8.0	12.0	68		7.5				37				30																																	
20	157		7.0	13.0	137		9.0	12.5	115		7.0	12.0	98		5.5	12.0	70		7.5				39				30																																	
21	159		7.0	12.0	139		8.0	13.0	117		5.5	10.0	98		7.0	12.0	72		6.7				39				34																																	
22	158		9.0	14.5	140		8.0	12.5	118		5.0	9.0	99		6.5	11.5	71		6.9				38				36																																	
23	157		8.0	14.0	141		8.0	12.0	117		5.0	8.5	100		5.5	11.0	76		6.9				43				32																																	

F_m = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin Lat. 0-10S Long. 82.5-97.5W Month June 19 62

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	.013						.051						.160						495						2.5						5						10						20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *	D _f	V _{dm} *	F _{am} *

F_{am} = median value of effective antenna noise in db above k1b

D_f = ratio of upper decile to median in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin

Lat. 10-20S Long. 67.5-82.5W Month June 1962

Frequency (Mc)

Hour (EST)	Frequency (Mc)																																	
	.013				.051				.160				.495				2.5				5				10				20					
	F _{am} ⁺	D _g	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _g	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _g	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _g	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _g	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _g	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _g	V _{dm} ⁺	L _{dm} ⁺	F _{am} ⁺	D _g	V _{dm} ⁺	L _{dm} ⁺		
00	152		7.5	130	131		7.5	125	116		5.5	155	95		7.0	125	69		6.2				42				31							
01	152		9.5	150	133		7.5	125	116		7.5	130	96		8.0	125	68		6.1				37				31							
02	153		10.0	160	133		6.0	120	114		6.5	110	94		16.0	135	67		6.1				42				29							
03	154		10.0	160	133		8.0	130	113		5.5	105	92		8.0	120	68		6.3				39				30							
04	154		10.5	160	131		9.0	145	112		6.0	115	90		9.5	120	65		6.3				36				29							
05	154		10.5	180	133		9.0	150	108		8.0	135	80		7.0	115	64		6.1				37				31							
06	154		11.0	170	125		12.0	170	87				64		2.0	55	60		6.1				35				30							
07	150		12.0	170	113		12.0	200	80		14.0	185	60		4.0	65	40		7.1				33				29							
08	150				107				80		14.5	200	62		3.0	75	36		6.1				29				28							
09	152				107		14.0	205	86		17.0	220	66		3.0	65	32		4.1				28				28							
10	151		13.5	200	113				84		16.0	200	63		3.2		32		3.1				23				29							
11	154		12.5	180	115				90				70		3.0		30		3.1				23				27							
12	156		12.5	190	116		12.0	185	86				66		3.0		30		6.1				25				26							
13	156		10.0	155	117		11.0	175	90		13.0	195	68		3.2		32						25				28							
14	154		11.0	165	119		10.0	150	82		15.0	225	64		3.5		35		4.3				27				28							
15	156		9.5	150	117		12.0	170	86				64		3.4		34		6.0				28				30							
16	154		8.5	140	115		11.0	165	84				68		4.4		44		6.3				31				30							
17	154				113		10.5	155	90				80		8.5	155	58		6.8				45				32							
18	151		8.0	130	116		10.0	150	102		13.5	215	89		6.5		65		7.3				39				32							
19	151		9.0	135	122		10.0	155	104		11.5	195	89		9.0	170	67		7.8				42				33							
20	152				125		8.0	130	106				90		7.5		68		7.5				43				30							
21	152				129		9.0	135	109		6.5	110	90		8.5	150	68		7.3				41				32							
22	152				128		8.0	120	110		6.0	105	92		6.6		66		7.2				41				30							
23	152				129		7.5	110	113		6.5	110	94		6.6		66		7.4				44				30							

F_{am} = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

UCSRL-RES-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 30-40S Long. 67.5-82.5W

Month June

19 62

Hour (LST)	Frequency (Mc)											
	.013			.051			.160			.495		
	F _{am} [*]	D _u	D _g	F _{am} [*]	D _u	D _g	F _{am} [*]	D _u	D _g	F _{am} [*]	D _u	D _g
00												
01												
02												
03												
04												
05												
06	140			111			84			74		
07	134			105			84			76		
08	138			109			84			64		
09	140						94			74		
10	146			119			100					
11	148			119			112			90		
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												

F_{am} = median value of effective antenna noise in db above k1b

D_u = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCDA-NET-26

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 30-40S Long. 67.5-82.5W Month July

19 62

Hour (ST)	Frequency (Mc)											
	.013				.051				.160			
	F _{am} [*]	D _u	D _l	V _{dm} L _{dm}	F _{am} [*]	D _u	D _l	V _{dm} L _{dm}	F _{am} [*]	D _u	D _l	V _{dm} L _{dm}
00	150				134				88			
01	148				129				84			
02	152				132				86			
03	154				130				84			
04	156				132				84			
05	156				132				84			
06	157				128				62			
07	155				117				69			
08	152				112				68			
09	153				108				65			
10	152				108				66			
11	152								66			
12	152				106				68			
13	152				108				66			
14	152				108				68			
15	152				107				62			
16	156				106				64			
17	154				110				80			
18	149				110				81			
19	149				114				82			
20	141				113				83			
21	143				121				88			
22	145				125				85			
23	148				128				86			

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50S Long. 67-5-82.5W Month July 1962

Hour (ST)	Frequency (Mc)											
	.013				.051				.160			
	F _{am} [#]	D _u	D _l	V _{dm} L _{dm}	F _{am} [#]	D _u	D _l	V _{dm} L _{dm}	F _{am} [#]	D _u	D _l	V _{dm} L _{dm}
00	144				122				76			
01	136				117				76			
02	138				116				77			
03	142				113				75			
04	133				112				68			
05	134				108				64			
06	130				100				62			
07	130				96				80			
08	134				98				60			
09	130				104				60			
10	134				104				58			
11	136				106				54			
12	140				107				63			
13	142				109				66			
14	135				110				63			
15	135				102				66			
16	128				98				72			
17	134				102				74			
18	136				100				78			
19	142				112				81			
20	142				113				82			
21	138				116				82			
22	138				115				75			
23	142				120				79			

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

12-00000-100-10

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat 50-60s Long 52-5-6Z 5W Month July 19 62

Hour (LST)	Frequency (Mc)											
	.013			.051			.160			.495		
	Fam [#]	D _g	Vdm	Fam [#]	D _g	Vdm	Fam [#]	D _g	Vdm	Fam [#]	D _g	Vdm
00	133			114			80			73		
01	140			106			92			69		
02	132			98			80			64		
03	132			98			86			68		
04	132			98			84			62		
05	139			96			82			64		
06	136			90			77			59		
07	135			92			75			56		
08	128			96			76			59		
09	124			90			74			50		
10	132			90			74			53		
11	134			90			74			52		
12	136			91			74			59		
13	138			92			75			54		
14	131			94			74			67		
15	137			92			74			65		
16	136			94			76			66		
17	140			94			78			68		
18	141			102			80			70		
19	145			104			83			73		
20	146			104			84			72		
21	141			105			84			72		
22	141			104			86			72		
23	135			101			84			74		

Fam = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin

Lat. 50-60S Long. 67.5-82.5W

Month July 19 62

Frequency (Mc)																																														
Hour (LST)	.013					.051					.160					.495																														
	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}	F _{am}	D _u	D _f	V _{dm}	L _{dm}						
00	141					109					90					84																														
01	144					107					87					78																														
02	135					118					88					80																														
03	140					112					88					78																														
04	141					111					86					76																														
05	137					103					84																																			
06	135					101					74					70																														
07	152					93					79					56																														
08	148					92					74					58																														
09	143					94					74					60																														
10	150					93					75					54																														
11						98					74																																			
12	140					96					74																																			
13						90					74																																			
14	144					90					74																																			
15	139					93					77					63																														
16	139					93					79					77																														
17	134					98					77					75																														
18	132					108					83					75																														
19	156					122					87					77																														
20						128					86					77																														
21	148										83					77																														
22	146					122					98					80																														
23	146					116					95					84																														

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Ektarin Lat. 60-20S Long. 52.5-62.5W Month July 19 62

Hour (LST)	Frequency (Mc)											
	0.013				0.051				1.60			
	F _{am} [†]	D _u	D _L	V _{dm}	L _{dm}	F _{am} [†]	D _u	D _L	V _{dm}	L _{dm}	F _{am} [†]	D _u
00	144					116					96	
01	140					118					98	
02	144					120					102	
03	146					120					102	
04	146					122					96	
05	146					120					92	
06	148					120					94	
07	142					112					90	
08	144					112					92	
09	150					118					100	
10	146										90	
11	146					102					84	
12	144					102					82	
13	114					90					74	
14	124					90					74	
15	124					92					74	
16	126					98					78	
17	128					96					78	
18	118					100					84	
19	138					104					90	
20	138					92					84	
21	140					101					88	
22	140					101					92	
23	140					107					97	

F_{am} = median value of effective antenna noise in db above k1b

D_u = ratio of upper decile to median in db

D_L = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin

Lat. 30-40S Long. 67.5-82.5W Month August 19 62

Frequency (Mc)																							
								2.5				5				10				20			
F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _u	D _g	V _{dm}	L _{dm}	F _{am}	D _u	D _g	V _{dm}	L _{dm}	F _{am}	D _u	D _g	V _{dm}	L _{dm}	F _{am}	D _u	D _g	V _{dm}	L _{dm}
00				64					55					39					28				
01				64					56					40					28				
02				62					57					41					28				
03				61					58					39					28				
04				62					61					40					30				
05				64					63					44					29				
06				53					57					40					28				
07				44					53					45					30				
08				40					40					35					28				
09				36					40					33					28				
10				45					39					33					27				
11				33					36					30					28				
12				36					38					39					28				
13				40					39					32					30				
14				48					39					34					30				
15				49					43					37					31				
16				50					44					39					31				
17				54					57					42					32				
18				59					61					46					30				
19				62					64					47					29				
20				65					73					44					31				
21				66					57					43					29				
22				66					59					44					28				
23				66					57					39					28				

F_{am} = median value of effective antenna noise in db above ktb
D_g = ratio of upper decile to median in db
V_{dm} = ratio of median to lower decile in db
L_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 50-60S Long. 52.5-67.5W Month August 1962

Frequency (Mc)

Hour (LST)	0.13			0.51			1.60			4.95			2.5			5			10			20		
	F _{am} [*]	D _g	V _{dm}	F _{am} [*]	D _g	V _{dm}	F _{am} [*]	D _g	V _{dm}	F _{am} [*]	D _g	V _{dm}	F _{am} [*]	D _g	V _{dm}	F _{am} [*]	D _g	V _{dm}	F _{am} [*]	D _g	V _{dm}	F _{am} [*]	D _g	V _{dm}
00	149			121			93			80			54			57			37			28		
01	145			122			95			80			52			59			36			28		
02	149			122			95			80			52			57			35			26		
03	150			125			95			79			60			59			34			29		
04	150			124			96			78			60			62			40			27		
05	152			124			90			75			53			59			40			27		
06	153			124			89			71			54			67			36			27		
07	151			118			81			65			47			63			34			26		
08	147			112			74			67			34			63			32			27		
09	148			110			77			66			27			45			33			46		
10	141			110			74			64			45			41			31			28		
11	148			106			77			66			47			41			29			26		
12	146			101			77			64			39			39			35			33		
13	148			100			73			59			48			39			36			31		
14	148			104			76			60			45			37			36			28		
15	146			100			82			66			43			40			40			40		
16	147			104			73			66			50			47			51			30		
17	145			104			75			67			50			53			46			30		
18	147			106			79			76			50			48			35			28		
19	150			112			83			72			50			53			37			28		
20	149			111			84			77			56			50			39			28		
21	147			112			85			78			55			53			40			26		
22	145			120			90			78			55			49			44			26		
23	148			121			95			82			48			49			53			28		

F_{am} = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USC&NARS-2

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eltanin

Lat. 50-60S Long. 67.5-82.5W Month August 19 62

Hour (LST)	Frequency (Mc)											
	.013			.051			.160			.495		
	F _{am} [*]	D _u	L _{dm}	F _{am} [*]	D _u	L _{dm}	F _{am} [*]	D _u	L _{dm}	F _{am} [*]	D _u	L _{dm}
00												
01												
02												
03												
04												
05												
06												
07												
08												
09												
10												
11												
12												
13	143	98										
14	137	90										
15	147	90										
16	137	89										
17	145	98										
18	145	112										
19	147	108										
20	145	110										
21												
22												
23												

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

1962

Frequency (Mc)																															
.013			.051			.160			.495			2.5			5			10			20										
F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}		
00	145				118					93					82						63					43				36	
01	144				115					92					79						66					45				38	
02	147				120					92					79						66					41				34	
03	149				114					91					76						62					45				36	
04	147				120					91					75						60					47				36	
05	148				120					89					73						60					43				36	
06	150				119					85					70						52					43				34	
07	149				110					79					57						40					55				38	
08	144				96					69					60						39					45				38	
09	141				100					75					60						36					22				34	
10	143				97					67					56						30					17				34	
11	145				100					71					54						28					19				32	
12	143				94					69					60						30					19				34	
13	145				90					69					56						31					23				36	
14	145				92					69					62						39					36				40	
15	144				100					71					64						38					42				52	
16	143				108					71					66						38					37				42	
17	142				112					78					66						48					49				40	
18	145				108					72					69						50					41				40	
19	147				113					76					72						44					47				38	
20	149				114					71					72						48					50				39	
21	147				112					75					77						60					45				36	
22	145				112					85					76						52					45				36	
23	145				116					91					80						60					41				38	

 F_{am} = median value of effective antenna noise in db above kTb

D.: = ratio of upper decile to median in db

D_U = ratio of upper decile to median in db
 D_L = ratio of median to lower decile in db

V_{rms} = median deviation of average voltage in db below mean power

V_{dm} = median deviation of average voltage in dB below mean power
 L_{dm} = median deviation of average logarithm in dB below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 30-40S Long. 67.5-82.5W Month September 19 62

Frequency (Mc)																																
.013				.051				.160				.495				2.5				5				10				20				
F _{am} [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _{am} [*]	D _g	V _{dm} [*]	L _{dm} [*]	D _u	F _{am} [*]	D _g	V _{dm} [*]	L _{dm} [*]	D _u	F _{am} [*]	D _g	V _{dm} [*]	L _{dm} [*]	D _u	F _{am} [*]	D _g	V _{dm} [*]	L _{dm} [*]	D _u	F _{am} [*]	D _g	V _{dm} [*]	L _{dm} [*]	
00	151	10.0	16.5	128		8.5	14.5	114					5.0	10.0	92									39					27			
01	153	6.0	10.5	128				112					5.0	10.0	92	3.5	8.0	59		59				42					27			
02	151	6.0	12.0	130		7.0	12.0	110					6.0	9.0	91	4.0	8.0	56		62				42					27			
03	153	6.0	11.0	130		4.5	8.0	108					5.0	9.0	90	4.0	11.0	58		57				40					27			
04	155	6.5	11.0	128		6.5	10.0	108					5.5	10.0	86	8.5	15.5	57		57				38					27			
05	155	8.0	13.0	126		7.0	10.0	92					10.0	17.5	71	3.5	6.0	57		60				45					31			
06	153	11.5	18.0	118				82					4.0	7.5	72	3.5	7.0	47		54				49					35			
07	151	9.0	13.0	116		12.5	20.0	82					7.0	10.5	74	3.0	7.0	50		52				46					40			
08	151	10.5	16.5	116		9.0	14.0	84					7.0	11.0	76	6.0	10.5	53		56				48					43			
09	151	6.5	10.0	115		6.5	10.0	82					7.0	8.5	76			57		54				48					42			
10	152	5.0	8.0	118		12.0	17.5	84							76	2.5	6.0	56		55				46					41			
11	153	8.0	18.0	119				85					6.5	10.0	72	2.5	6.5	57		50				42					36			
12	155	9.5	15.5	121		7.0	12.5	86					7.5	11.0	72	2.0	4.5	50		49				47					35			
13	157	6.0	11.5	120		4.0	7.5	86					3.0	7.0	68	1.0	3.0	53		54				44					39			
14	159			122		4.5	9.0	84							74	2.0	4.0	55		58				46					41			
15	159	5.5	10.0	119		4.0	8.0	82					6.0	10.5	72	2.5	5.0	53		56				51					39			
16	157	6.0	10.0	116		5.0	12.5	82					9.0	11.5	80	2.5	5.0	53		56				50					39			
17	154	6.5	11.0	116				96					3.0	7.0	82	5.0	8.5	57		62				50					37			
18	153			121		5.5	10.0	100					6.0	11.0	86	4.5	8.0	57		64				52					35			
19	154			124				104					3.0	7.0	90	2.0	5.0	59		68				52					33			
20	153	9.5	15.5	126				106					4.0	8.5	91			59		68				57					33			
21	153			126		6.5	10.0	108					5.0	9.0	90	3.5	6.5	60		62				47					31			
22	153			127		6.5	11.0	110					3.0	7.5	92	4.0	7.0	61		58				46					29			
23	153			126				114							92	3.0	7.0	60		60				47					29			

F_{am} = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 40-50S Long. 67.5-82.5W Month September 1962

Hour (LST)	Frequency (Mc)											
	.013				.051				.160			
	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}
00	153		7.0 12.0 126		108		4.5 8.5 92		3.5 8.0 58		6.0	
01	155		10.0 14.0 128		110		3.0 7.0 92		3.0 6.5 56		6.2	
02	155		8.0 13.5 132		104		5.5 9.5 104		2.0 5.0 55		6.0	
03	155		9.5 16.0 132		106		6.0 11.0 106		5.5 11.0 59		6.2	
04	155		9.5 16.0 128		99		7.0 12.0 99		5.0 9.0 56		6.4	
05	155		7.0 12.0 126		96		8.0 12.5 96		6.0 11.0 47		6.4	
06	155		8.0 13.0 126		77		11.0 17.0 77		3.0 7.5 41		6.1	
07	151		9.0 15.5 117		84		10.0 16.0 84		3.5 9.0 25		4.5	
08	153		9.0 15.5 118		74		7.0 13.0 74		2.0 5.0 25		3.6	
09	153		10.0 15.5 116		76		2.0 5.0 76		2.0 5.5 27		3.5	
10	155		9.0 15.0 116		82		6.0 12.0 82		2.5 6.0 31		4.2	
11	153		8.5 14.5 114		75		6.0 11.5 75		2.9		3.0	
12	155		6.0 11.0 114		71		4.0 7.5 72		3.0 6.5 30		2.9	
13	156		6.0 11.0 117		78		6.0 11.0 72		2.0 5.5 32		3.8	
14	159				78		4.0 7.0 72		1.5 5.5 41		4.2	
15	157		5.0 9.0 116		70		8.5 15.0 70		3.0 6.5 36		4.0	
16	155		5.0 9.0 114		74		5.5 9.5 70		2.5 6.0 41		4.7	
17	154		5.5 10.0 112		96		4.0 9.0 86		3.0 7.5 53		5.2	
18	151		7.0 11.5 120		92		4.5 9.0 86		3.0 6.5 49		5.8	
19	155		6.5 11.5 124		100		4.0 8.0 86		4.5 8.5 55		6.2	
20	157		7.0 13.0 124		99		3.5 7.5 93		3.5 7.0 57		6.8	
21	155		9.0 13.0 125		101		3.0 7.0 89		4.5 9.0 59		6.6	
22	155		7.0 12.0 128		104		4.0 9.0 92		3.0 6.0 61		6.8	
23	153		6.0 13.0 128		104		3.0 7.0 92		3.0 6.5 61		6.4	

F_m = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 50-60S Long. 67.5-82.5W Month September 19 62

Frequency (Mc)

Hour (LST)	.013			.051			.160			.495			2.5			5			10			20		
	F _{am}	D _g	V _{dm}	F _{am}	D _g	V _{dm}	F _{am}	D _g	V _{dm}	F _{am}	D _g	V _{dm}	F _{am}	D _g	V _{dm}	F _{am}	D _g	V _{dm}	F _{am}	D _g	V _{dm}	F _{am}	D _g	V _{dm}
00	147	75	115	126	45	80	94	35	75	90	85	57	50	85	64	45	30	50	26	45	30	50	26	45
01	148	70	120	128	50	90	94	40	80	84	40	70	35	70	60	44	30	50	27	45	30	50	27	45
02	149	85	135	125	55	95	95	30	70	85	30	65	20	50	56	42	35	60	27	45	30	50	27	45
03	151	65	110	118	45	85	93	35	70	78	35	65	35	65	58	44	40	70	27	45	30	50	27	45
04	149	75	150	116	65	105	88	50	95	74	45	85	45	85	49	44	70	105	27	45	30	50	27	45
05	145	85	145	110	95	175	72	75	125	61	60	100	60	80	62	43	65	100	27	45	30	50	27	45
06	142	90	150	106	75	120	69	55	85	62	45	80	45	80	46	42	75	100	27	45	30	50	27	45
07	142	85	135	101	90	150	68	60	90	65	70	95	70	95	34	41	60	95	27	45	30	50	27	45
08	144	85	130	102	110	160	67	40	65	65	55	80	55	80	32	39	45	80	29	45	30	50	29	45
09	145	80	140	104	130	180	67	80	110	66	70	115	70	115	30	34	70	105	27	45	30	50	27	45
10	147	80	115	100	45	200	69	69		69			35	95	29	28			28					
11	149	115	135	104	85	120	67	110	170	68			32			28			27					
12	148	80	105	104	65	120	68	120	185	66			37			32			29					
13	150	50	90	104	70	125	66	110	185	64	10	35	30	45	37	32	55	90	29					
14	150	70	110	102	45	90	67			62			36			34			27					
15	149	50	90	103	80	130	67	55	110	64			42			38			27					
16	145	60	100	102	90	155	67	20	125	65	30	60	45	70	44	44	20	45	26					
17	143	65	115	102	20	50	70	35	50	70	20	55	47			44	85	115	27					
18	144	40	80	110	70	125	76	50	80	74			51			44	30	50	27					
19	143	60	100	119	55	90	77	40	70	79	35	70	47			48	35	50	27					
20	145	75	120	112	60	110	82	35	75	79			51			46	20	40	26					
21	145	50	80	111	60	100	87	40	70	79			51			46	30	60	27					
22	152	75	115	114	40	85	92	40	75	84			51			44	35	60	27					
23	145	80	125	120	50	90	97	30	70	86			55			45	40	65	27					

F_{am} = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCARS-82-R

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 50-60S Long. 52.5-67.5W Month October

19 62

Frequency (Mc)

Frequency (Mc)																																	
Hour (LST)	.013				.051				1.60				4.95				2.5				5				10				20				
	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	
00	145		10.0	15.5	118				100				92		7.5	12.5	63		3.0	6.0	56		5.5	8.0	49				28		4.5	5.5	
01	147		10.0	16.5	12.0		7.0	13.0	98				87		4.5	9.0	62				56		4.0	7.0	46				25		2.0	3.5	
02	146		10.5	18.0	12.1				97				87		6.0	12.0	64				56		3.5	6.0	49				28		2.0	3.5	
03	147		12.0	18.5	12.5		8.5	14.5	91				83		7.0	13.0	58				56		3.5	6.0	41				27		2.5	3.5	
04	146		12.0	18.0	11.7		10.0	16.5	93				85				58				52				43				27				
05	148				11.9		12.5	19.0	90				77		5.0	12.5	59				54		4.5	7.5	45				27				
06	149				11.6				82				67				52				57		4.5	7.5	49				29				
07	143				10.7		12.5	17.5	72				62				46				54				42				26				
08	136				10.0				67				66				51				42				47								
09	137				9.5				65				59				30				34				41				27			16.0	20.0
10	144				9.5				67				64		4.5	9.5	34				24								29				
11	144		4.5	9.5	101				72				64		3.0	7.0	28				34				33				30				
12	141		6.0	11.0	103		5.5	10.0	73				66				44				47				33				28				
13	142				10.7				72				58		3.0	7.0	56				36				31				27				
14	148		4.5	9.5	106				73				59		2.5	7.0					32				41				28				
15	148				10.0				73				65		2.5	7.5	54				42				39				27			4.0	4.0
16	141		5.5	10.5	106				81				65		2.5	7.5	54						5.0	8.5	47				31			2.0	4.0
17	146				9.6				64				64		1.5	6.5	56				46		1.5	4.0	46				28			3.0	4.5
18	149				11.3				76				68		1.5	7.5	54				52				43				28			5.0	6.5
19	146		5.5	14.0	115		6.5	11.0	82				70				57						3.5	5.0	55				23			2.5	4.0
20	150		7.0	15.5	117				85				80		1.5	7.0	62						3.0	5.0	58				27				
21	146		5.0	15.5	116		6.5	11.5	91				85		4.5	13.0	64				60		4.0	6.0	43				27			3.0	4.0
22	148				11.7				93				90				68						2.5	5.0	60				25			5.0	7.0
23	148		6.0	18.5	118				95				91		7.0	13.5	62						3.5	6.0	60				27			3.0	4.0

F_m = median value of effective antenna noise in db above ktb
D_g = ratio of upper decile to median in db
V_{dm} = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 50-60S Long. 67.5-82.5W Month October

19 62

Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
0.13						0.51						1.60						4.95						2.5						5						10						20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
F _m [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _m [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _m [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _m [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _m [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _m [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _m [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _m [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _m [*]	D _g	V _{dm} [*]	L _{dm} [*]	F _m [*]	D _g	V _{dm} [*]	L _{dm} [*]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
00	144	11.0/16.0	120	95		7.0/11.5		95		5.0/9.0		6.0		2.5/6.0	56	3.0/5.5	45		3.5/6.5	27		3.5/6.5		3.0/5.5	45		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		3.5/6.5		

F_m = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCARS-45-12

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Ektanin

Lat. 60-70S Long. 67.5-82.5W

Month October 19 62

Hour (LST)	Frequency (Mc)											
	.013			.051			.160			.495		
	F _{am} [*]	D ₂	V _{dm} [*]	F _{am} [*]	D ₂	V _{dm} [*]	F _{am} [*]	D ₂	V _{dm} [*]	F _{am} [*]	D ₂	V _{dm} [*]
00	146		9.0/35	118		5.5/10.0	93		4.0/7.0	79		5.0/11.0
01	146		9.0/35	118		5.5/9.5	89		4.0/9.0	77		6.0/10.5
02	146		8.5/35	115		5.5/10.0	84		4.0/7.5	77		3.5/6.5
03	148		8.5/30	113		8.5/12.0	73		6.0/10.0	72		1.5/6.5
04	146		9.5/50	113		3.5/11.5	66			69		20.0/28.0
05	144		6.0/35	103			65			50		8.0/16.0
06	144		7.5/50	103		6.0/15.0	66		3.0/10.0	64		3.5/8.5
07	145		6.0/25	100		4.5/9.0	67		3.0/11.0	64		3.5/7.5
08	145		9.0/30	105		8.0/13.5	65		8.5/14.0	63		8.0/12.5
09	144		9.0/40	101		8.5/13.5	67		6.0/11.0	64		3.0/7.0
10	146		10.0/50	103		6.0/13.5	67		6.5/11.0	65		2.0/5.0
11	147		7.0/20	106		6.0/11.0	65		6.0/10.0	60		2.5/5.0
12	146		6.5/11.0	107		5.5/10.0	65		7.0/9.5	63		3.5/30.0
13	147		6.0/10.0	106		6.0/10.0	65			62		3.5/7.0
14	148		5.5/10.0	104		5.0/9.0	67		2.5/5.5	63		1.5/5.0
15	146		6.0/11.0	99		6.0/10.0	67		11.0/15.5	59		2.0/5.0
16	146		6.5/11.0	98		8.5/16.0	65		4.0/7.5	61		2.0/6.0
17	142		8.5/35	105		7.5/14.5	71		4.5/7.5	63		3.0/6.5
18	142		8.0/30	109		6.0/11.0	77		3.5/6.5	69		3.0/6.0
19	144		9.0/50	112		6.0/10.5	79		4.0/7.0	77		2.5/6.0
20	144		7.0/20	111		6.0/10.0	80		4.0/7.5	78		3.5/7.0
21	142		9.0/40	113		6.0/9.5	86		12.0/18.0	81		3.5/7.0
22	142		8.5/30	115		7.5/12.0	86		4.0/7.5	78		3.0/7.0
23	144		9.0/45	118		5.5/9.0	89		3.5/7.0	80		3.0/6.5

F_{am} = median value of effective antenna noise in db above ktb
D₂ = ratio of upper decile to median in db
V_{dm} = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station UISNS Eitanin

Lat. 30-40S Long. 67.5-82.5W Month November 19 62

Hour (LST)	Frequency (Mc)																																																	
	.013						.051						.160						.495						2.5						5						10						20							
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}										
00	150			130	190	125			7.0	155	104																																							
01	146			100	190	122			8.0	150	96																																							
02	150			130	190	128			6.0	140	96																																							
03	148			120	190	126					101																																							
04	148			220	225	118					87																																							
05	150			125	215	118			6.0	175	91																																							
06	148			80	195	106			5.0	120	89																																							
07	146			80	190	116			10.0	200	89																																							
08	148			100	185	106					95																																							
09	148			75	185	110					91																																							
10	148			110	170	116			12.5	205	84																																							
11	154			105	170	122			10.0	170	88																																							
12	154					126			9.0	190	93																																							
13	156			65	125	129					95																																							
14	159			75	130	131			6.0	130	101																																							
15	156			70	120	122			7.0	125	96																																							
16	156			70	135	126			2.0	130	96																																							
17	156			90	135	132					103																																							
18	156			75	130	132			6.5	110	100																																							
19	152			45	70	136			5.5	100	111																																							
20	150			70	120	138			4.5	90	114																																							
21	153			70	130	136			5.0	90	114																																							
22	153			100	175	138			6.5	105	113																																							
23	148					123			6.5	105	105																																							

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 40-50S Long. 67.5-82.5W Month November 19 62

Hour (LST)	Frequency (Mc)											
	0.013				0.051				160			
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}
00	152			132	132	200	105	115	200	105	115	200
01	150		115	170	134		111	65	120	111	55	105
02	152		125	190	132		111	100	190	111	55	110
03	152		130	180	126		100	135	210	100	45	85
04	152		105	125	123		83	115	180	83	80	130
05	148		90	140	118		84	60	105	84	95	170
06	148		110	170	113		85	90	160	85	75	140
07	148		90	150	102		81	75	135	81	70	140
08	148		90	135	119		83	30	60	83	115	185
09	150		85	130	119		93	80	130	93	80	130
10	152		100	135	120		85	100	160	85	105	185
11	148		80	130	115		87	105	180	66	105	180
12	150		90	150	114		87	75	125	87	110	195
13	150		85	140	109		89	125	190	89	150	215
14	148		65	105	112		82	20	120	82	90	120
15	152				121		86	135	170	66	135	170
16	148		75	125	118		84	60	110	84	100	150
17	146		80	130	114		85	75	130	85	95	145
18	144		85	175	120		95	90	160	95	60	100
19	147		100	165	120		101	90	160	94	90	160
20	150		125	195	126		113	75	145	93	75	145
21	148		110	170	129		109	80	160	79	80	160
22	154		120	180	127		115	60	110	115	100	160
23	152		135	205	130		103	85	155	99	55	100

F_{am} = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station USNS Eitanin

Lat. 60-70S Long. 62.5-82.5W Month November 1962

Hour (LST)	Frequency (Mc)											
	0.13			0.51			1.60			4.95		
	F _{am} [†]	D ₂	V _{dm}	F _{am} [†]	D ₂	V _{dm}	F _{am} [†]	D ₂	V _{dm}	F _{am} [†]	D ₂	V _{dm}
00	138			126			89			73		
01	140			115			90			76		
02	138			117			96			73		
03	138			110			84			59		
04	142			107			79			67		
05	134			96			73			55		
06	144			104			77			61		
07	144			100			79			65		
08	146			102			83			65		
09	144			100			69			59		
10	144			104			69			37		
11	144			102			69			33		
12	144			102			69			53		
13	146			104			71			67		
14	144			104						75		
15												
16												
17												
18												
19												
20												
21												
22												
23	146			124			103			79		

F_{am} = median value of effective antenna noise in db above ktb

D₂ = ratio of upper decile to median in db

V_{dm} = ratio of median to lower decile in db

F_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

Month September 19 62

Hour (LST)			Frequency (Mc)																																						
			.051				.160				.495				2.5				5				10				20														
			Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm									
00	154	4	2	6.5	11.5	124	6	4	2.5	12.5	101	6	5	5.5	10.0	83	4	7	4.5	8.5	61	21	6	6.0	10.0	51	6	3	4.0	7.5	35	9	4	2.5	5.0	18	0	4	1.0	2.5	
01	154	3	1	8.0	13.5	125	5	8	7.0	13.0	105	4	6	4.5	9.0	83	6	6	6.0	9.5	59	5	5	7	5.5	9.0	52	4	6	3.0	6.0	33	10	4	2.0	4.5	18	0	3	1.5	3.0
02	154	4	2	8.0	13.5	125	5	8	7.0	13.0	105	4	6	4.5	8.5	81	7	8	3.5	6.0	59	12	6	6	6.0	9.5	52	4	6	4.5	8.0	33	4	4	1.5	5.0	18	0	4	1.0	2.5
03	154	4	2	8.5	14.5	126	4	9	7.5	13.0	107	4	6	4.0	9.0	77	10	7	5.5	10.5	58	18	5	6	6.0	11.0	52	4	6	5.0	9.0	31	6	2	2.0	3.5	18	0	6	1.5	3.0
04	154	4	1	8.0	14.0	124	6	6	9.0	14.0	105	4	8	4.0	9.5	69	8	14	5.5	11.0	59	15	5	5	5	5	50	8	4	7.0	11.0	37	2	5	1	5	1.5	3.0			
05	154	4	3	9.0	15.0	118	7	4	9.0	15.5	87	6	4	4.5	8.0	51	8	2	3.0	5.0	57	4	12	5	5	5	50	5	5	4.0	8.0	39	9	8	7.0	12.0	18	0	4	1.5	3.0
06	152	4	2	9.5	15.5	116	6	7	8.0	15.0	85	4	5	3.0	7.0	53	7	4	4.5	6.5	39	11	5	5	5	5	44	3	7	3.5	6.0	41	11	5	9.5	14.0	18	0	5	1.0	2.5
07	150	4	2	9.5	16.0	116	18	13	9.0	12.0	77	6	4	2.0	5.5	53	4	4	2.5	5.0	35	10	7	6	6.0	9.5	38	6	5	6	5	41	2	6	1	5	0.5	2.0			
08	150	4	2	10.0	16.5	116	16	12	11.0	16.0	79	4	6	3.0	6.0	51	8	2	4.5	7.0	31	4	2	4	6.5	9.5	36	5	5	1.0	3.0	40	7	6	1	5	1.0	3.0			
09	150	4	4	10.0	16.5	116	16	8	10.0	18.0	78	5	6	4.0	6.0	51	11	2	2.0	4.0	29	4	2	4	5	32	4	6	3.0	5.0	37			18		4	2.0	4.0			
10	150	5	5	11.0	17.5	116	14	12	10.5	18.0	78	9	5	5.0	7.5	52	6	3	2.5	5.5	29				4.5	10.5	28			7.5	12.0	42			18		4	2.0	4.0		
11	150	4	6	9.5	16.0	117	15	14	8.0	15.0	79	6	8	4.0	6.0	51	13	2	4.0	7.0	31	4	2	4	5	26	8	4	3.5	6.0	47			18		4	0	0.5	2.5		
12	150	5	4	8.5	14.5	117	15	8	9.0	16.0	78	7	5	4.0	9.5	53	6	4	1.0	2.5	31	2	2	4	5	26	6	2	2.5	5.0	45			7.0	10.0	18		4	2	1.0	2.5
13	152	4	4	8.0	14.0	116	10	7	8.0	14.5	79	6	6	5.0	9.0	54	6	3	4.0	7.0	29	6	2	6	3.5	6.0	28			6.0	8.0	48			18		4	2	1.0	3.5	
14	152	2	2	7.0	12.0	116	16	2	9.0	14.5	80	10	6	7.5	12.0	55	11	4	2.0	4.0	29	7	2	3	3.5	6.0	30	6	3	8.0	12.0	49	5	4	2	1.5	3.5				
15	152	4	2	7.0	11.0	118	14	4	9.5	15.0	77	18	6	3.5	6.0	51	24	2	3.5	5.5	33	7	4	4	4.0	7.5	36	8	5	9.5	17.0	47	6	6	2	1.5	3.0				
16	152	2	2	6.5	11.0	118	14	3	8.5	14.0	77	14	4	5.0	7.5	55	16	4	3.0	5.5	37	6	6	6	5.0	7.5	42	4	5	5.0	8.0	47	8	6	4	1.0	3.0				
17	150	4	0	6.5	11.5	118	16	4	7.5	12.5	82	12	5	4.0	8.0	63	18	8	2.5	4.5	43	4	4	4	5.0	8.0	48	5	6	9.0	13.5	47	4	6	5.5	9.0	20	4	3	2.5	4.5
18	150	4	0	6.5	11.0	119	15	4	7.0	12.5	89	8	4	5.0	9.5	76	17	9	2.5	6.0	51	7	5	5	5.5	10.5	55	4	4	2.5	5.0	45	2	4	3.0	6.0	20	4	3	2.0	4.0
19	152	4	2	6.0	11.0	121	12	4	6.0	11.0	97	4	4	5.5	10.0	79	16	6	2.0	4.0	55	4	4	4	7.0	11.0	56	3	2	3.0	7.0	43	12	2	3.5	6.0	19	1	3	1.5	3.0
20	154	2	4	6.0	10.5	124	10	7	5.0	10.5	102	3	7	5.0	10.5	80	11	7	1.5	4.0	59	8	6	6	3.0	6.5	56	2	4	2.5	6.0	43	9	4	4.5	7.0	18	2	2	1.0	3.0
21	154	2	2	6.5	11.5	127	10	10	6.0	11.0	104	6	5	4.0	8.5	83	10	10	3.0	5.0	59	6	5	8	8.5	12.0	54	3	5	2.5	6.0	39	6	4	3.5	5.5	18	2	2	1.5	3.0
22	154	2	3	6.0	11.0	126	6	7	8.0	14.5	103	6	4	5.5	10.0	81	12	6	2.5	6.0	57				6.0	9.5	54	4	6	3.0	6.0	41	2	6	2.0	4.0	18	2	4	1.0	2.0
23	154	2	2	6.5	11.0	126	4	8	9.5	14.5	103	6	5	4.5	10.0	81	8	5	5.0	9.0	59	10	6	3.5	7.0	54	2	6	4.5	8.0	38	7	5	4.0	7.5	18	1	3	1.0	2.0	

F_{nm} = median value of effective antenna noise in dB above kTb

 D_{11} = ratio of upper decile to median in db

D_9 = ratio of median to lower decile in db

V_{AdB} = median deviation of average voltage in dB below mean power

V_{dm} = median deviation of average voltage in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden Lat. 59.5N Long. 17.3E

Month October 19 62

Hour (LST)	Frequency (Mc)																																		
	0.13				0.51				160				495				2.5				5				10				20						
	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}							
	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}							
00	156	1	2	8.5	150	123	6	4	9.0	145	100	2	7	5.0	9.0	89	8	8	1.5	3.0	58	4	4	4.0	8.5	34	6	2	2.5	4.5	18	1	3	1.0	3.0
01	156	2	3	9.5	160	125	4	6	9.0	155	102	6	6	5.0	9.5	85	6	10	2.0	4.0	56	4	2	4.0	8.0	34	6	4	2.0	4.5	17	2	4	1.0	3.0
02	156	2	2	10.0	165	125	4	6	9.0	160	102	4	6	5.5	10.5	87	6	8	1.5	3.5	58	4	4	4.0	9.0	34	7	4	2.0	4.0	17	2	2	1.0	3.0
03	156	2	2	10.0	170	125	4	6	9.0	155	100	5	5	6.0	12.0	85	8	8	1.5	3.5	58	4	4	4.5	8.5	32	8	2	2.0	4.0	17	4	4	1.0	3.0
04	156	2	2	11.0	180	125	2	6	10.0	170	100	4	6	5.0	9.5	79	10	6	1.5	3.5	58	4	10	5.0	10.0	50	6	4	4.5	8.5	30	6	2	1.0	2.5
05	156	2	3	11.0	180	123	3	6	11.0	180	98	8	6	4.0	9.0	60	9	5	5.0	8.0	54	14	8	5.5	9.5	52	7	3	4.5	9.0	36	8	4	1.5	3.0
06	154	2	2	10.5	170	117	4	2	10.0	170	88	4	6	4.0	8.0	51	8	4	2.0	4.0	52	7	8	8.0	14.0	52	2	6	5.0	8.5	40	7	4	2.0	3.5
07	152	4	2	10.0	170	115	5	2	10.0	160	83	5	9	6.0	9.0	51	6	4	3.0	5.0	36	11	4	7.5	12.5	40	4	2	3.0	7.0	42	4	6	1.5	3.5
08	152	2	4	11.0	180	115	4	6	10.0	180	80	7	8	1.5	6.5	49	10	2	2.5	4.5	32	10	5	4.0	7.0	34	4	4	6.0	10.0	42	6	4	2.5	4.0
09	152	2	4	12.0	195	115	2	8	9.5	170	81			5.0	8.5	51	8	4	2.5	5.0	34	4	8	2.5	6.0	32	4	7	2.5	4.5	40	8	4	1.0	3.0
10	152	3	3	11.0	185	113	2	7	10.5	180	74	13	2	3.5	6.0	53	8	6	1.5	3.5	30	8	4	4.0	7.0	27	9	6	3.0	5.5	38	8	4	1.5	3.5
11	150	4	2	11.0	170	115	2	9	9.5	170	72	16	4	2.0	5.0	49	10	2	1.5	3.5	30	6	2	4.0	7.0	24	12	4	3.0	6.0	46			1.5	3.5
12	150	4	0	10.0	165	115	1	7	10.0	175	80	8	8	4.0	8.0	51	8	4	2.0	4.5	32	6	4	2.5	6.0	24			2.0	4.0	43	6	5	2.0	4.0
13	152	2	2	9.0	145	115	3	8	10.5	170	77	10	7	4.5	8.5	53	3	3	2.0	4.0	32	4	5	3.0	5.5	26	10	4	4.0	7.0	47	3	8	2.0	5.0
14	152	2	2	7.0	125	115	2	6	10.0	160	78	8	6	3.5	6.5	55	6	4	2.0	3.5	32	6	4	4.0	6.0	28	7	4	4.5	7.0	48	6	5	2.5	4.5
15	152	2	2	8.0	130	115	4	6	10.5	170	80	6	8	3.5	6.5	51	10	2	2.0	4.5	34	7	4	3.0	5.0	34	8	2	3.0	5.5	50	6	8	2.0	4.0
16	150	3	1	7.5	130	115	6	6	11.0	175	84	4	8	3.0	7.0	59	18	6	1.0	2.5	38	6	4	2.5	7.0	43	6	3	2.5	4.5	48	5	6	2.0	4.0
17	152	1	4	8.0	130	115	7	4	8.5	140	89	5	1	3.5	7.0	75	14	6	2.0	4.0	48	6	2	7.5	12.5	50	6	6	4.0	6.0	19	4	2	2.0	4.0
18	154	0	4	7.5	130	119	5	5	8.0	140	96	4	4	3.0	7.0	77	12	10	2.5	4.0	54	6	6	5.5	11.0	52	4	4	3.5	6.5	44	6	4	1.0	3.0
19	154	2	2	7.5	130	121	6	6	8.0	135	96	9	5	4.5	9.0	79	12	10	3.0	5.0	58	8	8	4.5	10.0	52	5	4	3.5	6.5	44	14	6	1.0	3.0
20	154	4	2	7.0	120	121	8	4	7.0	125	97	8	4	3.0	9.0	89	6	14	3.0	5.5	56	12	4	4.5	10.0	52	5	6	3.0	7.0	38	6	4	1.0	3.0
21	154	4	2	7.5	125	123	8	6	9.0	145	102	5	7	4.0	8.0	89	6	12	2.0	5.0	58	8	6	6.0	10.5	50	6	5	3.0	6.5	36	6	4	1.0	2.5
22	153	2	3	7.5	130	123	5	4	8.5	155	102	3	7	4.0	8.5	87	8	10	1.5	4.0	57	6	4	4.0	8.0	52	3	4	4.0	7.5	34	9	3	1.0	3.0
23	152	0	2	8.0	140	123	7	4	9.0	150	100	7	4	4.0	9.5	89	6	12	2.0	4.0	56	7	5	4.5	8.5	52	4	4	4.0	7.5	34	6	2	1.0	2.5

F_m = median value of effective antenna noise in db above ktb

D_f = ratio of upper decile to median in db

V_{dm} = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Enköping, Sweden Lat. 59.5N Long. 17.3E

Month November 19 62

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	0.013					0.051					0.160					0.495					2.5					5					10					20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	F _{am}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}	F _{dm}	D _g	V _{dm}	L _{dm}

F_{am} = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCIBAL-405-52

RN-13

Station Front Royal, Virginia at. 38.8N Long. 72.2W Month September 19 62

F_{am} = median value of effective antenna noise in db above ktb

 De = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W

Month October 1962

Hour (LST)	Frequency (Mc)																								
	.135				.500				2.5				5				10				20				
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	
00	113	5	10		68	7	6		61	5	4		38	2	2		23	1	1						
01	112	5	9		66	9	5		59	5	2		38	2	2		23	1	1						
02	111	7	8		67	8	8		59	4	3		38	2	3		23	0	1						
03	111	8	8		65	11	5		59	5	3		38	3	3		22	1	0						
04	109	11	8		62	9	5		59	4	4		34	5	2		22	1	0						
05	106	11	7		62	8	6		58	5	3		34	3	2		23	0	1						
06	98	7	6		51	7	5		56	6	5		35	4	2		23	1	1						
07	95	8	7		40	6	6		48	7	4		37	4	3		23	1	1						
08	93	12	6		35	5	5		37	5	4		42	6	2		27	2	1						
09	93	12	6		32	6	4		34	5	3		41	6	3		28	1	2						
10	93	12	6		32	3	5		32	5	3		39	6	2		28	1	2						
11	93	10	6		32	2	4		31	4	4		39	5	2		28	2	2						
12	92	11	5		32	2	2		31	3	3		37	5	2		31	3	1						
13	95	13	8		32	4	3		33	3	5		39	4	3		32	3	2						
14	94	16	6		34	4	4		34	9	3		40	6	2		33	3	2						
15	96	14	9		35	10	5		37	11	3		42	7	3		33	4	2						
16	96	18	2		40	12	5		45	10	6		41	6	5		28	3	4						
17	97	16	5		51	12	9		54	4	8		42	6	4		28	2	4						
18	102	13	6		58	12	6		57	6	5		42	6	4		25	2	1						
19	104	14	4		62	10	6		59	5	5		40	6	3		24	1	1						
20	109	12	6		64	10	4		61	5	5		40	5	3		24	1	1						
21	110	9	5		66	8	5		61	4	5		38	6	2		24	1	1						
22	111	8	6		66	10	4		59	6	4		38	3	3		24	1	1						
23	112	6	7		67	9	5		60	7	4		38	3	2		23	1	0						

F_{am} = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

UCSAR-RES-14

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W

Month November 19 62

Hour (ST)	Frequency (Mc)											
	.135				2.5				10			
	F _{am}	D ₂	V _{dm}	L _{dm}	F _{am}	D ₂	V _{dm}	L _{dm}	F _{am}	D ₂	V _{dm}	L _{dm}
00	104 7 6	85 9 7			60 8 5	57 5 5			36 4 2	22 1 0		
01	102 10 5	85 10 6			59 8 4	56 7 4			35 4 2	22 1 0		
02	100 11 5	85 8 8			58 11 5	57 7 4			34 5 1	22 1 0		
03	100 10 5	83 6 9			58 11 4	57 9 5			35 4 2	22 1 1		
04	99 8 8	76 11 9			55 12 5	56 7 7			35 3 1	23 0 1		
05	97 8 7	71 14 8			55 11 6	54 7 6			35 4 1	23 0 1		
06	90 11 4	63 14 5			51 12 4	52 9 6			36 5 2	23 0 1		
07	87 10 3	59 7 6			44 4 6	50 7 7			37 7 1	23 1 1		
08	83 9 2	56 5 5			38 4 6	41 6 5			35 7 2	24 1 1		
09	83 8 2	55 6 5			32 5 4	38 4 6			33 7 1	24 2 1		
10	83 10 3	55 8 4			30 4 2	36 4 5			32 6 1	24 2 0		
11	83 12 3	56 5 4			30 4 2	33 4 3			32 3 1	24 2 1		
12	84 12 2	56 4 4			32 4 2	31 4 4			36 4 1	28 2 1		
13	84 12 2	57 6 5			33 5 3	32 5 4			37 4 2	28 2 2		
14	84 12 2	58 3 5			34 4 4	34 5 4			38 6 2	28 1 2		
15	84 13 2	57 4 4			37 3 5	38 6 4			40 4 2	28 2 1		
16	87 10 3	59 7 4			44 5 6	45 7 5			38 3 2	25 2 1		
17	91 12 4	64 11 10			51 11 7	52 5 5			38 3 2	25 1 1		
18	93 12 4	70 11 11			56 12 5	55 7 7			37 2 2	24 1 2		
19	95 12 4	78 9 13			56 12 3	56 7 8			36 2 3	24 1 2		
20	102 8 8	83 8 15			58 12 5	58 7 7			36 2 1	23 1 1		
21	102 7 6	85 7 13			59 11 3	57 8 6			36 2 1	23 1 1		
22	102 7 6	85 7 10			59 9 4	57 7 6			36 4 2	23 1 1		
23	103 7 5	84 10 6			60 8 5	56 6 5			35 3 1	23 0 1		

F_{am} = median value of effective antenna noise in db above ktb

D₂ = ratio of upper decile to median in db

D₂ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii

Lat. 22.0N Long. 159.7W

Month September 1962

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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F_{am} = median value of effective antenna noise in db above k1b

D_f = ratio of upper decile to median in db

V_{dm} = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii

Lat. 22.0N Long. 159.7W

Month October 19 62

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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F_m = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Kekaha, Hawaii

Lat. 22.0N Long. 159.7W

Month November 19 62

Frequency (Mc)

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}	F _m	D _f	V _{dm}	L _{dm}																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
00	152	3	2	10.5	17.0	12.5	4	7	10.0	16.5	10.2	6	11	11.0	18.5	80	10	9	11.0	19.0	57	5	7	53	7	8	37	4	5	23	0	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

F_m = median value of effective antenna noise in db above k1b

D_f = ratio of upper decile to median in db

V_{dm} = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

UFO-100-100-10

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station New Delhi, India

Lat. 28.8N Long. 77.3E

Month September 1962

Hour (IST)	Frequency (Mc)																																							
	.013					.051					.160					.495***					2.5					5					10					20				
	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}
	153	4	4	90	140	136	6	2	9.0	14.0	94	8	5	8.0	15.0	64	7	12	6.0	9.0	57	2	7	4.0	5.5	43	2	4	3.5	6.5	27	2	4	1.5	3.0	27	2	4	1.5	3.0
01	153	2	4	8.5	140	136	5	3	10.0	15.5	94	6	8	8.0	14.5	64	9	12	6.0	8.5	57	5	5	4.0	6.5	42	5	3	4.0	6.0	25	4	2	5.0	3.5	25	4	2	5.0	3.5
02	153	3	4	9.0	140	136	5	2	10.0	16.0	93	2	8	9.5	15.5	64	8	12	5.5	7.5	56	5	7	4.0	6.0	41	6	4	3.0	5.0	25	4	2	2.0	3.0	25	4	2	2.0	3.0
03	152	4	3	9.0	140	136	5	4	10.5	16.0	114	7	7	11.0	17.0	97	6	12	9.0	16.5	66	8	14	5.0	7.5	55	6	8	4.0	7.0	43	4	6	2.5	4.5	27	4	4	1.5	3.5
04	152	3	4	10.0	140	134	7	3	11.0	17.0	114	6	10	11.5	19.0	94	5	11	10.5	18.0	64	7	13	6.5	9.5	53	8	7	3.0	5.0	41	2	6	1.5	3.5	26	5	3	2.0	4.0
05	151	3	4	10.0	140	134	4	4	11.5	17.5	111	11	7	11.5	17.0	85	14	8	9.0	16.0	61	11	7	6.5	10.0	52	5	6	3.5	6.0	39	4	4	3.0	4.0	27	2	4	1.5	3.5
06	151	4	3	10.0	150	128	6	6	12.5	16.5	108	14	20	22.0	23.5	74	22	6	5.0	7.0	54	12	6	4.0	6.0	43	4	4	3.0	5.5	25	2	2	2.0	4.0	25	2	2	2.0	4.0
07	149	2	4	11.0	150	122			10.5	16.5	100	16	15	14.5	22.0	73	24	6	8.5	9.0	48	14	8	6.5	8.5	48	10	8	6.5	9.5	41	6	4	4.0	6.0	25	2	2	3.0	4.0
08	149	4	6	13.0	170	120			12.0	20.0	110			14.0	19.5	76	22	10	7.5	9.5	44	9	7	3.5	5.5	47	7	8	6.0	9.0	39	4	4	4.5	6.5	25	3	2	1.5	2.5
09	148			12.0	17.5	118			17.0	25.0	110			14.0	19.5	76			4.5	5.5	42	6	8	5.5	6.5	41	6	11	5.0	6.5	37			5.0	8.0	25	2	2	2.0	3.5
10	147			13.0	19.0	126			17.0	24.5	106			13.0	19.5	85			7.0	3.5	44			1.5	3.5	36			7.0	9.5	37			2.0	3.0	25			2.0	4.5
11	149			12.5	18.0	130			7.5	20.0	114			12.0	20.0	94			6.5	10.5	45	11	9	2.0	4.5	37	10	4	5.5	8.0	41	4	8	3.0	4.5	27	2	3	2.0	3.5
12	151	6	2	10.5	16.0	136			11.0	18.0	121	6	19	20.5	22.0	96	16	25	8.5	15.5	52	8	14	6.0	10.0	41	7	9	5.5	9.0	42	5	11	3.0	5.0	27	8	2	3.0	4.5
13	155	4	5	10.0	180	136	11	9	11.0	17.5	122	10	12	11.5	19.0	101	12	23	10.5	19.0	53	16	12	12.0	10.0	46	10	13	5.0	8.5	41	6	6	4.5	8.5	29	5	2	3.5	5.5
14	155	6	4	11.5	170	140	8	11	11.0	16.0	120	11	8	11.0	17.0	97	14	24	11.5	20.0	54	18	12	5.0	8.0	47	10	12	5.5	8.0	47	4	4	2.0	4.0	29	6	2	3.0	5.5
15	155	6	3	11.5	170	139	5	11	10.0	15.5	122	8	8	9.5	18.5	96	16	25	9.0	21.0	56	16	12	3.0	5.0	48	14	12	7.0	8.5	45	3	4	5.0	7.0	29	8	2	3.0	4.0
16	155			9.0	14.5	140			10.0	16.0	122			11.5	18.0	97			8.5	14.5	58			6.0	9.0	52			3.0	5.0	49	4	6	4.5	5.5	31			6.0	7.0
17	157	4	4	9.5	14.5	140	5	10	11.5	19.0	118	12	6	11.5	19.5	95	14	12	9.5	19.0	58					59	4	10	9.0	11.5	51	2	5	4.0	7.0	31	4	2	3.5	5.5
18	155	4	5	9.0	13.5	138	4	6	10.5	18.0	117			9.0	16.5	99	3	9	6.5	14.0	64	10	8	3.0	7.0	58	8	7	5.0	7.0	52			5.0	7.0	29	12	2	3.5	5.0
19	153	2	2	9.0	140	136	10	5	11.5	17.0	117	8	7	8.5	15.0	99	9	10	7.5	15.0	68	8	8	5.0	8.0	60	9	9	5.0	8.0	49	8	5	3.0	7.0	27	6	2	1.5	2.5
20	152	1	3	7.5	120	136	6	7	10.0	16.5	116	4	8	9.0	16.0	97	10	8	8.5	15.5	68	8	11	5.0	8.5	58	5	9	5.0	8.0	45	5	2	4.0	6.5	27	4	2	2.0	3.5
21	151	4	2	8.0	120	134	10	4	9.0	140	116	5	8	9.0	150	95	10	8	9.0	130	64	12	8	6.0	9.0	55	9	9	5.0	8.0	45	6	4	4.5	6.5	27	2	2	2.0	3.0
22	153	3	4	7.5	110	136	4	5	8.0	130	116	4	6	7.5	130	95	10	8	8.0	140	64	10	8	5.0	8.0	57	6	9	5.0	7.5	43	4	3	3.0	5.5	27	2	2	1.0	2.5
23	151	4	2	8.5	12.5	136	4	4	8.5	14.5	114	7	4	10.0	150	93	8	6	9.0	140	64	6	10	7.0	10.0	55	4	8	4.0	7.0	41	4	2	4.0	5.5	27	2	2	1.5	2.5

F_m = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** From November 1961 the channel 4 recordings for New Delhi are for .495.

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan

Lat. 35.6N Long. 140.5E

Month September 19 62

Frequency (Mc)

Frequency (Mc)																																															
.013						.051						.160						.495						2.5						5						10						20					
Hour (LST)	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm	Fam	Du	Dl	Vdm	Ldm							
00	155	6	4	9.0	135	133	6	6	12.0	19.0	113	6	6	10.0	19.0	93	8	7	9.5	17.5	62	9	5	10.0	15.5	59	8	4	6.5	10.5	40	7	6	2.5	5.5	25	2	1	1.5	2.5							
01	155	7	4	10.5	14.0	133	8	5	11.0	18.5	113	7	4	8.0	17.0	92	10	6	10.0	17.0	64	9	8	6.5	12.0	59	4	6	5.0	8.0	38	4	6	4.0	7.0	25	2	1	1.5	2.5							
02	155	7	4	11.0	15.5	132	10	4	10.5	18.0	113	7	6	9.0	17.0	91	14	6	8.0	15.0	64	9	7	8.0	13.5	59	6	7	6.5	11.0	34	6	4	3.0	5.0	25	0	2	1.0	2.5							
03	155	8	4	9.5	14.5	132	8	5	11.0	17.5	113	8	6	10.0	18.5	93	8	10	9.5	17.5	64	9	8	8.5	13.0	58	7	5	6.5	10.0	32	6	3	3.5	4.5	25	0	2	1.0	2.5							
04	157	6	6	9.0	13.5	134	8	6	11.0	18.0	113	8	8	10.0	19.5	91	9	13	10.0	18.0	64	9	8	10.0	16.0	65	7	6	4.0	8.0	31	4	3	3.5	5.5	25	0	2	1.0	2.5							
05	156	5	4	11.0	16.0	128	9	4	11.5	18.0	100	4	8	10.5	19.0	64	26	6	6.5	11.0	63	7	8	8.5	12.0	59	4	3	7.0	11.0	36	6	5	4.0	6.0	25	2	2	1.5	3.0							
06	153	6	3	9.0	13.0	124	14	8	10.0	16.5	89	19	14	13.0	19.0	63	26	6	6.5	13.0	48	9	5	10.0	16.0	50	7	5	8.0	11.0	38	5	5	8.0	10.5	26	3	2	1.5	2.5							
07	153	5	4	10.5	14.0	120	15	10	12.5	18.0	87	25	10	13.5	20.0	65	22	7	7.5	13.0	44	7	3	4.5	8.0	42	11	5	5.0	9.0	34	7	6	10.0	12.5	25	4	0	2.0	4.0							
08	153	8	3	11.5	17.5	120	16	10	12.0	19.5	88	25	10	12.5	22.0	63	20	5	5.0	8.0	44	5	2	6.0	9.0	40	11	7	7.0	10.5	32	7	5	3.5	6.0	25	10	2	1.0	3.0							
09	153	6	4	11.5	15.0	120	14	8	12.5	17.5	89	18	10	9.0	13.0	59			19.5	25.0	42	4	2	5.0	8.0	37	8	2	9.0	12.0	28	10	4	6.0	9.0	27			1.5	3.5							
10	153			12.5	18.5	122	12	9	12.0	19.0	87	26	8	13.0	20.0	63	15	4	5.5	8.0	42			5.0	9.5	35	10	4	8.0	11.0	28	10	4	5.5	8.0	25	2	0	2.0	4.0							
11	153	6	6	12.0	14.5	122	14	8	12.5	18.0	89	19	8	12.0	19.5	64	20	7	6.5	9.0	42	2	2	4.5	8.0	37	8	4	7.5	11.0	28	8	4	2.5	5.0	25	4	0	2.5	4.5							
12	153	7	5	13.0	17.0	122	14	8	13.0	18.0	91	21	8	8.5	12.5	63	30	4	10.0	12.5	42	6	2	4.0	7.5	35	10	6	6.0	9.5	30	8	6	6.5	10.5	27	3	3	2.0	3.5							
13	155	4	6	12.0	16.0	122	15	7	11.5	16.5	89	27	7	9.5	13.5	65	31	6	5.0	8.0	42	9	2	4.5	7.5	37	10	6	7.0	10.0	30	10	2	5.0	8.0	27	1	2	2.5	4.5							
14	155	6	4	11.5	17.5	124	11	9	11.0	16.5	87	24	6	11.0	19.0	65	31	6	8.0	15.0	42	9	2	5.5	8.0	37	12	4	7.0	10.0	34	6	4	5.0	8.5	27	3	2	2.5	4.5							
15	157	5	7	9.5	15.5	124	13	8	12.0	16.0	88	31	9	9.0	18.0	63	32	4	7.0	13.0	42	12	2	5.0	7.5	39	15	4	5.5	8.0	38	4	5	6.0	9.0	29	1	2	2.5	4.0							
16	157	6	6	9.0	14.0	124	16	12	10.0	14.0	86	31	7	10.0	19.0	63	31	4	7.5	16.0	44	16	2	5.5	8.5	45	14	4	3.0	6.0	40	4	4	5.0	10.0	28	3	3	2.5	5.0							
17	156	6	5	9.0	13.0	123	15	10	9.5	14.0	93	23	5	10.5	19.0	75	21	7	8.0	14.0	48	16	4	7.5	11.5	53	10	4	4.0	7.0	42	4	4	5.5	9.0	29	5	2	2.0	4.0							
18	155	7	5	9.0	14.0	125	15	5	9.0	16.0	103	16	7	9.0	16.0	86	12	9	8.0	15.0	56	12	16	8.0	13.5	57	8	4	7.5	10.0	43	7	5	5.5	9.0	27	8	2	1.5	3.0							
19	155	5	4	9.0	15.0	130	9	6	10.5	18.5	110	7	9	7.5	15.0	90	6	7	10.5	19.5	60	10	4	8.0	13.0	69	8	8	7.0	12.0	43	7	7	4.0	8.0	27	4	2	1.5	3.0							
20	157	6	5	10.5	16.5	132	6	6	9.5	17.0	111	9	8	10.5	17.5	91	9	8	7.5	14.0	62	9	8	7.5	11.5	67	6	6	6.5	11.0	42	7	4	3.0	6.0	27	1	2	1.0	3.0							
21	157	7	5	9.0	14.0	132	6	8	11.0	18.0	110	9	7	9.0	17.0	92	5	6	8.5	15.0	62	8	8	6.0	10.0	69	5	8	5.0	9.0	42	6	6			26	1	1	1.0	3.0							
22	155	6	4	10.0	13.0	132	6	4	10.0	17.5	113	6	6	10.0	18.0	91	7	5	8.5	17.5	61	7	5	8.0	12.5	62	13	7	6.5	9.5	42	9	6	3.0	5.5	25	2	0	1.5	3.0							
23	157	5	6	10.0	15.5	134	6	7	11.5	19.0	113	6	6	8.5	16.5	91	10	4	8.0	14.0	62	9	6	7.0	11.5	60	5	5	7.0	11.0	42	4	6	4.0	5.5	25	2	0	1.5	2.5							

Fam = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

Vdm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

122044-82-1-N

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan

Lat. 35.6N Long. 140.5E

Month October

19 62

Hour (LST)	Frequency (Mc)																																							
	.013				.051				.160				.495				2.5				5				10				20											
	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm	Fam	Df	Vdm	Ldm								
00	154	2	4	11.5	160	133	4	4	12.0	185	111	7	3	10.5	175	91	4	6	9.0	170	62	7	6	9.0	125	57	4	4	6.0	95	38	6	4	3.0	55	25	3	2	1.5	30
01	154	2	2	8.5	125	133	4	4	12.0	180	111	6	4	7.0	180	91	6	5	9.0	165	60	8	5	6.5	9.0	56	3	3	6.0	95	34	4	2	3.0	55	25	2	2	1.5	30
02	154	2	3	10.0	150	133	3	4	11.0	180	113	3	4	8.0	150	89	6	4	7.5	155	60	7	5	6.5	100	55	5	3	5.5	90	34	4	2	3.5	50	25	2	2	1.5	30
03	152	4	2	10.0	150	133	6	6	12.0	190	111	6	6	8.0	150	87	10	5	11.0	180	60	7	8	5.0	7.0	55	9	4	7.0	100	33	3	3	2.0	40	25	2	2	1.5	30
04	152	4	2	11.0	150	131	4	7	9.5	150	107	6	8	9.0	160	83	11	4	8.5	160	58	10	4	12.0	170	61	11	12	8.5	145	30	4	2	2.0	35	25	2	2	1.5	30
05	152	3	2	8.5	120	127	7	5	12.5	195	100	10	7	13.0	205	71	14	10	14.5	205	56	10	4	7.0	110	65	4	8	4.5	90	34	4	2	3.5	55	26	2	1	1.0	30
06	150	2	2	7.5	120	121	7	4	11.5	180	87	16	10	18.0	210	64	11	7	8.0	130	48	10	4	5.5	85	53	5	4	6.0	90	36	5	2	3.0	45	27	4	2	3.0	40
07	149	3	3	9.0	125	115	10	4	12.0	165	83	15	6	18.0	170	65	13	8	3.0	55	44	6	4	4.0	7.0	45	7	6	8.5	115	36	8	4	4.5	60	27	2	2	1.5	30
08	150	2	4	10.5	140	117	6	10	19.0	250	87	17	8	13.0	210	65	19	7	2.0	35	44	4	2	4.5	6.5	44	7	7	8.0	140	34	6	6	3.0	50	27			3.0	50
09	150	2	3	9.5	130	116	9	9	12.5	180	89	18	10	15.0	210	66			14.0	175	53	3	3	7.5	100	41	9	8	8.0	120	34	6	6	5.0	75	27			2.5	45
10	150			11.0	150	115					85	10	4			61	14	4	9.0	125	42			6.5	9.0	37								8.0	130	27			2.5	45
11	150	4	4	11.0	155	115	14	3	10.0	140	87	15	8	15.5	270	63	12	6	10.0	130	44	2	6	6.5	9.0	41	10	7	7.0	95	32	8	7	3.5	60	27	2	2	2.0	40
12	150	4	4	10.0	145	117	14	4	10.5	155	87	18	6	6.5	90	61	14	6	8.5	110	40	6	2	6.0	7.5	39	14	8	8.0	100	32	13	6	4.5	65	27	4	2	2.0	40
13	150	4	2	13.5	185	117	8	4	11.0	150	85	14	6	9.5	125	65	12	8	6.0	160	42	4	4	6.5	95	39	10	6	6.5	105	34	7	6	2.5	40	27	6	2	2.0	40
14	150	4	2	9.5	155	117	6	4	11.0	155	85	15	6	4.5	6.5	62	14	5	4.0	60	42	4	4	6.5	95	39	8	4	8.0	100	37	3	5	7.0	100	29	2	2	3.0	40
15	151	3	3	8.5	135	117	4	6	8.5	125	82	13	4	3.5	5.5	63	14	6	4.0	55	42	6	4	4.5	70	45	8	6	5.0	85	38	4	4			29	2	2	2.0	40
16	152	2	2	8.0	120	117	9	6	6.0	100	88	16	10	9.0	150	67	19	6	6.0	80	46	8	4	5.0	80	49	12	4	7.0	100	40	4	4	4.5	70	29	5	2	2.5	40
17	150	4	3	8.0	120	124	11	8	9.0	135	97	11	12	10.5	140	79	14	6	10.0	170	50	13	5	5.0	85	53	10	5	4.5	70	40	6	2	4.5	75	29	3	3	2.0	40
18	152	4	3	8.5	140	125	10	8	10.0	150	105	8	11	9.0	150	83	13	7	8.0	130	54	14	6	6.0	90	55	10	5	5.5	85	42	2	4	5.0	60	27	2	2	1.5	30
19	154	2	4	8.5	130	127	7	4	10.5	155	105	7	6	10.0	160	87	8	7	7.0	120	56	3	14	5.0	80	65	7	3	8.0	130	40	7	5	5.0	80	27	1	2	2.0	30
20	152	2	2	10.0	155	131	4	4	9.0	145	109	6	6	12.0	170	87	6	5	7.0	120	57	9	3	6.5	100	64	5	7	6.5	105	40	4	4	4.0	50	27	2	2	1.5	35
21	152	2	3	9.0	140	131	4	5	12.0	185	111	4	6	9.0	150	89	6	4	6.0	110	58	9	3	6.0	105	67	7	6	8.0	135	40	5	3	4.0	60	25	4	0	1.5	30
22	152	4	3	7.5	110	133	4	5	11.0	175	112	5	6	11.5	190	91	4	6	12.0	190	60	8	7	6.0	100	57	13	4	6.0	100	40	8	4	4.5	70	25	2	0	1.5	30
23	154	2	4	10.0	145	133	4	5	10.0	160	113	5	7	10.0	170	91	7	4	9.0	180	60	9	6	5.5	90	57	4	4	5.0	80	38	8	3	4.0	65	25	2	2	1.5	30

Fam = median value of effective antenna noise in db above k1b

D_f = ratio of upper decile to median in db

Vdm = ratio of median to lower decile in db

Ldm = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Ohira, Japan

Lat. 35.6N Long. 140.5E

Month November 19 62

Frequency (Mc)

Frequency (Mc)																																								
Hour (LST)	.013				.051				.160				.495				2.5				5				10				20											
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm					
00	151	3	2	7.0	10.0	127	6	2	9.0	15.5	109	7	8	8.5	14.0	86	8	6	7.5	14.0	58	14	4	6.0	9.0	57	4	5	6.5	10.5	34	7	3	4.0	6.0	24	0	0	1.0	2.5
01	151	5	2	6.0	9.5	129	2	4	2.0	18.0	109	5	6	8.0	12.0	84	8	2	9.0	16.0	58	12	5	6.0	10.0	55	4	4	7.0	10.0	32	7	2	3.0	5.0	24	0	0	1.0	3.0
02	151	4	2	6.0	9.0	127	4	2	9.0	15.0	109	4	6	8.5	12.0	86	6	4	7.5	15.0	58	7	6	7.0	10.0	56	6	3	6.0	10.0	32	6	2	2.5	4.0	24	0	0	1.0	3.0
03	151	4	1	7.0	10.5	129	3	3	9.0	16.0	107	7	5	9.5	17.5	84	8	5	8.0	15.5	58	10	6	6.0	10.0	69	4	7	1.0	1.0	32	4	2	3.0	5.0	24	0	0	1.0	2.5
04	153	2	3	8.0	12.0	129	3	4	10.5	16.5	104	7	5	9.5	17.0	80	9	2	9.5	19.0	58	8	6	7.0	12.0	65	7	6	6.0	10.0	30	2	0	2.0	3.5	24	0	0	1.5	3.0
05	151	4	2	8.0	12.0	125	6	2	11.5	17.5	95	14	7	9.0	11.0	64	14	6	7.5	11.5	56	11	6	6.5	11.0	63	8	6	8.0	14.0	32	2	2	2.0	4.0	24	2	0	1.5	3.5
06	151	3	2	8.0	11.5	117	5	4	10.0	15.0	83	13	6	7.0	10.0	58	11	4			50	9	5	3.5	6.0	58	9	7			36	4	2	4.0	6.5	26	2	1	2.0	3.0
07	149	2	4	6.5	10.0	111	11	4	5.5	8.0	81	25	4	5.5	8.5	64	11	8	6.5	9.0	44	8	2	6.0	9.0	43	10	2	5.0	7.0	36	6	2	4.0	6.0	26	7	0	2.0	4.0
08	149	2	2	8.0	11.5	109	11	4	6.5	9.0	81	18	4	5.5	8.0	58	15	4	1.0	2.5	44	9	2	6.5	9.5	41	11	4	7.0	9.0	38	4	7	7.5	10.0	26	2	0	2.0	4.0
09	149	2	3	9.5	13.0	111	8	4	4.5	7.0	81	12	6	4.0	6.0	59	8				44	3	4	6.0	10.0	39	6	4	9.5	11.0	34	6	4			26				
10	149			9.0	12.0	111	12	3	8.0	10.5	81	15	4	3.5	4.5	58	8	4	4.5	7.0	42			5.5	8.0	35	10	1	8.5	11.5	34	4	6	8.5	9.5	26	2	2	2.5	5.0
11	149	4	2	9.5	13.0	113	6	4	9.0	12.0	81	14	4	3.5	6.0	59	10	3	2.5	5.0	40	4	0	7.0	10.0	39	6	4	5.0	8.5	30	6	2	2.0	4.5	26	2	0	2.5	4.0
12	149	4	2	9.0	13.0	113	8	4	7.0	10.0	83	14	2	4.0	6.5	58	9	4	3.0	4.0	40	5	0	8.0	11.0	37	5	3	4.0	8.0	30	6	3	2.0	4.0	26	2	0	2.0	4.0
13	151	2	2	8.0	12.0	113	7	2	6.0	9.0	81	12	2	6.0	8.5	58	9	2	7.0	9.5	42	5	2	6.0	9.5	37	8	2	5.5	8.0	34	4	2	4.0	6.5	26	2	0	3.0	4.5
14	151	2	2	8.0	12.5	111	8	2	6.0	8.5	81	9	2	4.5	6.5	60	7	6	4.5	7.0	42	4	2	6.5	8.5	39	8	3	6.0	9.0	36	3	2	4.5	6.5	28	0	2	1.0	3.0
15	151	3	2	8.0	13.0	111	8	2	4.0	6.0	82	11	5	4.0	6.0	62	14	6	8.0	11.0	44	6	4	6.0	9.0	41	8	2	4.0	6.5	38	6	4	3.0	5.0	28	0	2	3.0	4.5
16	149	2	1	6.0	10.0	109	12	2	5.0	7.0	83	11	5	6.0	8.0	66	12	7	9.0	13.0	46	5	5	5.5	9.0	59	4	6	8.0	14.0	40	4	4	3.0	5.0	26	2	0	1.0	3.0
17	149	2	4	6.5	9.5	113	10	2	7.5	10.0	91	10	6	8.5	12.5	76	5	10	8.5	12.0	49	10	4	7.5	10.5	62	4	6	6.0	10.0	39	5	3	2.0	4.5	26	2	0	1.5	3.0
18	151	0	2	8.0	11.5	121	6	4	7.5	11.5	97	7	7	7.5	11.5	78	8	6	7.5	12.5	52	8	3	7.0	10.5	61	6	6	7.5	5.0	40	8	6	2.5	4.5	26	0	0	2.0	3.0
19	151	2	2	7.5	11.0	123	3	4	7.0	11.0	98	8	5	7.0	10.5	82	6	8	8.0	12.5	54	9	4	8.0	11.5	61	7	4	3.0	7.5	41	6	5	2.0	5.0	26	0	2	2.0	3.5
20	151	4	2	6.5	10.5	125	4	2	7.5	13.0	103	5	7	8.0	12.0	82	4	4	7.0	11.0	56	7	6	4.5	8.5	65	5	7	9.5	14.0	38	8	5	3.0	5.5	24	2	0	2.0	3.5
21	151	2	2	9.5	14.0	126	4	2	8.5	13.5	104	5	7	8.5	13.0	84	5	6	7.0	11.0	56	8	5	8.0	15.0	65	8	6	6.0	12.0	36	7	4	4.0	6.0	24	2	0	1.5	3.0
22	151	2	2	7.5	11.5	127	4	2	9.0	15.0	105	6	9	9.0	14.0	84	6	5	10.0	17.5	56	8	4	6.0	10.0	53	13	4	5.5	9.0	35	7	5	3.0	5.0	24	1	0	1.5	3.0
23	151	3	1	7.5	10.5	127	4	2	10.0	16.0	107	4	10	10.0	15.5	86	7	6	9.0	14.5	56	8	2	7.0	11.0	53	8	2	5.5	9.0	34	5	4	2.5	5.0	24	2	0	1.0	2.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

150000-000-00

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E

Month September 19 62

Hour (LST)	Frequency (Mc)																															
	0.13				0.51				1.60				4.95				2.5				5				10				20			
	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}	F _m	D _g	V _{dm}	L _{dm}
00	137	4	2		129	11	5		105	14	4		87	8	3		61	11	3		56	8	4		35	6	6		21	3	3	
01	137	5	4		129	12	4		105	14	6		87	10	6		63	10	6		56	8	4		33	6	4		20	4	2	
02	137	4	4		130	11	5		105	12	6		87	8	6		62	10	6		58	4	6		33	6	4		22	2	4	
03	137	3	4		129	8	5		103	13	4		87	9	8		62	8	4		56	4	2		31	5	2		20	4	2	
04	137	2	4		129	5	4		101	11	5		85	10	6		62	8	6		56	4	6		31	6	4		20	4	4	
05	137	2	4		129	10	5		99	14	6		81	11	11		60	6	2		56	4	4		31	6	5		20	4	2	
06	135	4	4		121	15	5		75	30	4		59	13	4		56	9	8		54	8	8		37	6	2		20	4	4	
07	133	3	4		117	15	6		75	30	4		61	46	4		50	10	8		49	9	12		33	7	4		22	2	6	
08	133	5	4		113	13	6		75	22	4		61				50				48				27				24			
09	131	5	2		116	15	11		77	30	4		61	48	4		50	4	5		48	4	7		25	16	2		22	4	2	
10	131	7	4		115	16	10		77	25	6		59	50	3		50	2	6		46	4	8		25	13	4		24	2	4	
11	131	9	2		117	15	9		77	26	6		59	49	2		50	2	6		46	4	8		23	13	2		22	5	3	
12	133	7	4		121	12	9		77	20	6		59	50	3		48	4	4		46	4	10		23	11	2		24	4	4	
13	136	6	4		125	7	10		79	7	7		59	46	4		47	7	3		44	6	9		25	13	2		24	6	4	
14	139	3	5		127	4	10		81	6	7		57	52	2		48	6	4		44	8	10		27	10	2		26	4	6	
15	141	2	5		127	8	6		80	26	5		59	50	3		48	4	5		45	9	10		31	13	4		26	6	4	
16	141	2	4		127	10	6		78	36	6		59	50	3		48	8	4		46	12	8		37	8	6		28	6	6	
17	139	4	2		125	15	6		83	36	8		63	47	6		50	12	6		52	12	8		43	2	6		28	6	6	
18	137	8	2		123	23	4		97	26	10		83	26	13		56	15	4		56	12	4		43	6	4		24	11	5	
19	139	5	2		129	16	5		101	24	4		85	24	7		66	12	6		56	12	4		43	4	4		24	8	2	
20	139	6	2		131	17	4		102	24	3		89	19	6		64	8	5		56	12	4		41	6	6		24	4	4	
21	137	9	2		129	17	2		105	20	5		89	15	6		66	10	6		56	12	4		37	8	4		22	4	2	
22	137	10	2		129	16	6		105	20	7		89	13	6		64	11	6		56	8	4		35	8	2		22	4	2	
23	137	9	2		129	16	4		105	19	5		89	14	7		64	13	8		56	10	4		37	4	4		22	2	4	

F_m = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E

Month October 19 62

Hour (LST)	Frequency (Mc)																																							
	.013					.051					.160					.495					2.5					5					10					20				
	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm	Fam	Du	Df	Vdm	Ldm
00	136	10	2			132	15	4			110	16	6			97	13	7			72	14	6			64	9	5			44	4	6			24	4	2		
01	136	8	2			132	12	6			110	14	8			95	13	7			74	6	8			63	11	6			42	4	6			24	2	2		
02	136	8	2			132	10	6			108	13	6			95	13	6			72	14	6			63	8	6			40	5	2			24	4	2		
03	136	10	3			132	9	8			108	9	9			93	9	7			68	4	8			61	8	4			40	4	8			24	4	2		
04	136	5	3			130	7	4			104	10	8			89	11	10			70	10	6			62	5	3			36	4	12			24	4	4		
05	136	3	4			126	9	6			92	19	8			63	29	3			68	8	6			61	6	4			40	6	4			24	2	2		
06	132	8	2			122	11	5			88	20	14			61	25	3			56	14	8			55	9	4			42	8	4			24	6	2		
07	132	9	3			118	12	4			88	19	12			63	16	4			52	12	8			43	14	4			36	12	3			26	2	6		
08	132	8	4			120	12	9			91	18	15			62	17	3			50	4	9			41	10	4			34					24				
09	132	10	4			118	14	9			89	17	15			64	11	3			50	6	8			41	10	5			32	14	4			26	4	5		
10	132	7	4			122	10	8			86	17	13			63	19	4			52	2	6			41	8	4			30	12	4			26	4	2		
11	134	5	5			122	9	8			86	18	11			63	13	4			52	2	8			39	6	4			30	12	6			28	4	4		
12	136	5	2			128	5	8			94	18	11			67	28	8			51	5	5			41	6	6			34	10	6			30	4	12		
13	140	4	4			130	14	5			99	28	12			73	36	13			54	16	6			45	16	8			38	12	6			32	4	6		
14	142	8	4			132	18	4			106	26	20			77	38	16			56	24	6			47	18	8			42	10	4			34	2	4		
15	142	10	4			132	20	4			108	24	21			81	30	19			56	28	6			49	18	8			46	8	4			34	4	2		
16	144	7	4			134	16	6			112	20	25			87	23	24			56	26	6			57	14	21			50	6	4			36	2	8		
17	142	8	4			136	16	10			113	19	23			89	24	21			64	18	12			63	12	10			50	8	2			36	6	12		
18	142	10	5			136	16	10			114	19	14			98	13	13			76	10	12			67	8	4			52	6	4			33	3	5		
19	142	9	5			136	15	6			116	14	11			101	12	10			80	10	16			67	10	4			50	4	2			31	3	7		
20	142	8	6			136	14	6			114	16	8			102	13	9			78	10	6			65	10	2			50	2	6			28	4	8		
21	140	9	4			136	12	8			112	16	6			99	14	6			76	10	10			63	8	4			46	6	4			26	4	4		
22	138	12	2			134	14	6			112	17	6			99	12	7			78	10	10			63	8	4			44	8	6			26	2	2		
23	138	9	2			134	12	6			112	15	6			97	16	7			76	12	6			63	8	2			42	6	2			24	6	3		

Four (LST)	Frequency (Mc)																																			
	.013				.051				.160				.495				2.5				5				10				20							
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	
00	143	5				143	6	7			104	8	8			75	8	22				65	6	4			44	4	4			22	5	8		
01	141	6	2			139	7	5			102	10	10			73	6	16				63	6	2			44	2	6			20	9	4		
02	141	7	4			137	9	4			100	9	11			71	9	15				63	6	4			40	4	14			20	6	6		
03	139	7	2			137	7	6			100	7	13			71	8	9				61	8	2			38	6	5			20	6	6		
04	141	4	5			135	8	6			90	13	7			71	7	19				59	7	2			38	4	15			20	4	4		
05	139	6	4			131	12	6			74	25	15			65	7	11				59	6	4			42	4	4			18	6	2		
06	137	6	4			129	9	5			68	25	18			56	14	22				56	5	11			38	4	12			20	4	6		
07	137	4	6			127	10	8			68	24	18			52	10	13				49	8	15			34	8	10			20	6	4		
08	135	4	2			125	8	6			66	28	2			57	2	14				45					49					4	20			
09	136	3	5			127	11	8			65	29	3			51	4	8				46	8	14			34	8	10			24	4	6		
10	137	9	5			129	13	11			68	36	5			57	6	10				45	14	11			32	10	10			26	2	6		
11	139	7	6			135	10	10			88	19	24			50	21	11				47	12	10			40	4	14			26	5	6		
12	145	2	7			141	8	8			96	19	25			59	18	18				51	13	12			42	8	15			28	9	8		
13	147	5	4			146	8	8			100	16	24			61	20	16				55	23	12			46	10	8			30	12	7		
14	149	4	3			147	6	8			104	14	22			69	15	16				55	16	8			48	7	4			32	10	12		
15	149	6	4			147	6	8			106	15	22			69	20	12				59	16	9			50	10	4			34	6	15		
16	149	5	3			149	5	8			104	14	18			69	24	15				61	16	6			50	5	2			33	7	7		
17	149	4	3			147	6	6			106	17	17			69	16	8				65	11	4			54	4	4			32	12	12		
18	147	8	2			147	8	7			102	17	14			75	18	10				69	8	3			54	5	4			32	8	11		
19	147	7	4			145	10	4			104	15	10			81	6	5				71	8	2			52	6	3			30	10	14		
20	147	10	5			147	9	7			106	15	8			81	7	5				71	7	3			50	6	3			27	7	10		
21	145	6	4			145	7	4			104	12	4			81	5	27				69	8	3			48	9	4			22	18	8		
22	145	6	4			143	8	4			104	14	6			79	8	2				67	8	4			46	8	4			22	18	8		
23	145	5	6			143	9	6			106	6	8			77	8	28				65	9	4			46	6	4			20	6	6		

F_{90m} = median value of effective antenna noise in db above ktb

D_{11} = ratio of upper decile to median in db

D_U = ratio of upper decile to median in db
 D_L = ratio of median to lower decile in db

U_d = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Rabat, Morocco

Lat. 33.9N Long. 6.8W

Month September 19 62

Hour (ST)	Frequency (Mc)											
	.013				.051				.160			
	F _m	D _u	V _{dm}	L _{dm}	F _m	D _u	V _{dm}	L _{dm}	F _m	D _u	V _{dm}	L _{dm}
00	146 10 9				132 9 13				114 11 5			
01	146 5 11				133 7 16				116 7 7			
02	147 7 9				132 4 14				117 9 8			
03	145 10 6				130 8 12				115 5 8			
04	143 15 7				129 10 10				115 11 6			
05	143 9 14				127 5 9				103 11 6			
06	143 13 20				122 8 6				91 8 8			
07	143 12 23				116 12 4				86 8 7			
08	137 8 14				118				85 12 6			
09	*				114				87			
10	139				114 8 6				91 7 16			
11	143 5 7				118 10 10				93 6 15			
12	141 10 12				124 7 18				99 12 17			
13	143 10 7				126 6 10				101 14 16			
14	145 10 6				128				113 10 31			
15	143 14 14				132 12 40				113 12 34			
16	149 8 8				129 11 7				103 22 22			
17	146 12 6				131 14 7				108 19 23			
18	145 10 5				132 9 10				111 14 12			
19	145 9 8				136 8 18				115 12 14			
20	145 10 14				134 8 14				117 6 17			
21	145 8 16				134 6 10				117 6 12			
22	147 6 8				133 5 11				115 10 10			
23	146 9 18				130 12 16				113 10 5			

F_m = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCARS-REC-74

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaysia Lat. 1.3N Long. 103.8W Month June 19 62

Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
.013										.051										160										.545										2.5										5										10										20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Hour (LST)	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D _g	V _{dm}	L _{dm}	Fam	D

Fam = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

Hour (LST)	Frequency (Mc)																																							
	.013				.160				.545				2.5				5				10				20															
	Fam		Df	Vdm	Ldm	Fam		Df	Vdm	Ldm	Fam		Df	Vdm	Ldm	Fam		Df	Vdm	Ldm	Fam		Df	Vdm	Ldm	Fam		Df	Vdm	Ldm										
	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam	Du	Fam										
00	156	4	4	9.0	13.0	137	5	5	9.5	14.0	120	4	7	9.0	14.5	96	4	8	8.5	16.0	63	5	5	6.5	11.0	57	4	7	6.0	9.0	45	5	5	6.0	8.5	23	2	0	2.5	4.0
01	158	2	5	10.0	15.0	139	4	7	8.5	14.0	120	4	7	9.5	16.0	96	4	8	9.5	19.0	65	3	6	6.0	10.0	60	3	10	6.0	8.5	43	9	6	5.5	9.0	23	2	2	2.0	3.5
02	158	2	6	9.5	15.0	139	4	6	8.0	13.5	120	4	6	9.5	17.5	96	4	7	9.5	19.0	65	6	6	6.0	12.0	58	7	8	5.0	9.5	41	11	6	5.5	8.5	23	2	2	1.5	3.5
03	158	4	4	9.0	14.0	139	2	6	9.5	15.0	120	5	6	10.0	16.0	96	4	7	10.0	17.0	65	6	4	7.0	12.0	56	5	8	4.5	8.0	38	5	4	3.5	5.0	23	2	0	2.0	4.0
04	158	4	5	10.0	15.0	137	6	4	10.0	17.0	120	4	6	9.0	15.5	94	5	6	10.0	17.0	65	6	4	7.0	14.0	56	6	8	5.5	8.0	38	9	6	3.5	5.5	23	3	2	2.0	3.5
05	158	4	6	9.0	13.5	137	6	4	12.0	19.5	118	5	10	10.0	20.0	88	11	10	16.0	24.0	65	4	6	8.0	13.0	52	8	9	6.5	10.5	38	14	4	5.0	7.0	23	3	2	2.0	3.5
06	158	2	4	10.0	16.0	133	8	8	11.0	18.5	114	10	16	6.0	10.5	78	25	10	11.0	17.5	59	6	8	9.0	15.0	56	5	6	7.5	12.0	42	17	2	5.0	8.0	23	2	2	2.5	4.0
07	156	4	4	11.0	18.0	133	6	10	14.5	22.5	112	12	15	14.0	24.0	82	22	8	12.0	19.0	54	6	8	7.5	14.0	54	3	6	9.0	15.0	43	11	4	6.0	10.5	23	2	2	2.0	4.0
08	156	6	4	13.5	20.5	131	14	5	16.0	26.0	112	14	18	15.0	25.0	76	28	13	19.0	30.0	47	13	8	11.5	20.0	48	9	10	9.0	16.0	40	12	6	8.0	13.0	23	11	2	3.0	5.5
09	154	7	4	14.5	19.0	131	10	14	18.0	28.0	104	20	15	2.5	4.0	72	31	15	12.0	24.0	37	22	8	9.5	15.5	42	10	10	11.0	17.0	37	10	5	8.5	13.0	23	2	2	3.5	5.0
10	152	6	2	13.0	20.0	125	13	6	16.0	25.0	96	28	14	9.5	15.0	61	43	7	18.5	26.5	29	26	2	7.0	12.5	34	17	8	9.5	14.5	36	9	8	9.5	13.5	21	5	0	3.0	5.0
11	154	6	6	13.0	20.0	128	13	9	15.0	25.0	98	33	12	2.5	13.0	71	38	17			29	30	4	8.0	12.5	34	13	6	8.0	13.0	37	12	9	7.0	14.0	23	9	2	4.5	7.0
12	156	6	6	12.0	18.5	129	13	8	14.5	23.5	104	20	14	14.5	23.0	72	29	10	14.0	23.0	32	38	7	9.0	16.0	36	14	6	10.5	16.0	35	14	5	9.0	13.5	23	4	2	5.0	7.0
13	156	5	5	12.0	18.0	129	16	6	11.0	18.0	108	18	16	11.0	19.5	78	26	11	15.0	24.0	35	30	8	9.5	17.5	37	15	9	10.0	15.0	37	10	5	9.5	15.0	23	2	2	4.5	6.0
14	158	3	4	11.0	17.5	130	14	4	11.5	19.0	108	12	10	11.5	22.0	81	25	10	13.5	23.0	35	28	5	8.0	12.0	40	12	9	9.0	14.0	40	10	6	10.0	16.0	25	6	4	4.5	6.5
15	158	4	4	9.0	15.0	136	7	11	11.0	19.0	112	14	8	12.0	21.0	87	24	15	12.0	23.0	45	21	12	7.0	21.0	47	9	10	9.5	15.5	43	14	5	8.5	12.0	25	6	2	3.0	5.5
16	160	4	4	9.0	14.0	137	8	10	11.0	18.5	111	15	7	11.0	20.0	85	19	11	10.5	21.0	51	18	12	8.0	14.0	50	17	6	7.0	13.0	44	21	4	5.0	8.5	27	2	4	4.0	7.0
17	158	4	4	9.5	15.0	132	9	3	12.5	22.5	114	8	10	11.5	20.5	87	18	13	9.0	17.0	59	10	13	6.5	13.0	54	4	2	6.0	11.0	45	20	1	4.5	8.0	27	2	2	5.0	8.0
18	156	4	3	9.0	14.5	135	6	8	11.5	20.0	116	8	6	9.0	17.0	92	18	8	7.5	16.0	61	9	8	6.5	12.5	60	5	5	5.5	9.5	48	7	2	5.0	8.0	27	6	2	4.0	6.5
19	158	4	4	10.0	15.0	137	4	6	11.0	19.0	118	6	4	10.0	17.0	96	5	8	7.0	14.5	67	4	6	6.0	11.0	62	2	4	5.0	9.0	47	5	2	5.0	8.0	27	3	2	3.5	5.0
20	156	6	4	10.0	15.5	137	4	6	10.0	17.0	118	6	4	9.5	17.0	96	5	5	7.5	14.5	67	3	8	7.0	12.0	60	4	4	6.0	11.0	48	4	3	5.5	8.5	25	2	0	3.0	5.0
21	156	3	3	9.5	14.5	135	4	2	9.0	16.0	118	6	4	9.5	17.0	96	4	7	9.5	17.0	67	2	7	7.0	13.0	60	4	6	5.5	9.5	48	3	4	5.0	8.0	25	2	2	3.5	5.0
22	156	4	4	9.5	14.0	135	6	2	10.0	17.0	118	6	8	9.5	16.5	96	4	7	9.5	16.5	65	3	7	6.5	11.0	58	4	4	6.0	9.5	49	4	6	5.5	10.0	23	2	0	3.5	4.5
23	156	5	4	9.0	13.5	137	6	4	8.5	14.0	120	4	8	9.0	16.0	96	2	7	8.5	15.0	63	4	4	6.5	11.5	58	3	7	6.5	8.5	45	5	3	6.5	9.5	23	2	0	1.5	4.0

$F_{0.5}$ = median value of effective antenna noise in db above kTb

D_u = ratio of upper decile to median in db

D_L = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below median power

 L_{dm} = median deviation or average logarithm in ad below mean power

Station Singapore, Malaya Lat. 1.3N Long. 103.8E Month August 1962

F_{am} = median value of effective antenna noise in db above ktb

 D_{ij} = ratio of upper decile to median in db

V_{dm} = median deviation of average voltage in db below mean power

L_{avg} = median deviation of average voltage in dB below mean power

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MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaya

Lat. 1.3N Long. 103.8E

Month September 19 62

Frequency (Mc)

Frequency (Mc)																																																
Hour (LST)	.013						.051						.160						.545						2.5						5						10						20					
	Fam	Du	Dz	Vdm	Ldm	Fam	Du	Dz	Vdm	Ldm	Fam	Du	Dz	Vdm	Ldm	Fam	Du	Dz	Vdm	Ldm	Fam	Du	Dz	Vdm	Ldm	Fam	Du	Dz	Vdm	Ldm	Fam	Du	Dz	Vdm	Ldm	Fam	Du	Dz	Vdm	Ldm								
00	158	4	2	75	120	139	4	6	85	140	123	3	7	85	155	94	6	8	75	120	66	3	5	90	145	58	8	6	75	130	42	5	4	45	70	24	1	2	20	35								
01	160	4	5	90	135	139	6	4	90	140	123	4	7	95	175	94	6	4	90	180	67	3	5	85	140	57	7	8	60	90	42	4	6	40	70	24	2	2	25	35								
02	160	4	4	90	150	141	4	8	90	155	123	5	4	85	170	96	6	4	85	160	68	3	7	85	145	60	5	8	60	100	39	7	5	45	70	24	2	2	25	40								
03	162	2	9	95	140	141	4	4	100	165	125	2	6	105	200	94	8	4	90	190	67	4	8	90	150	57	6	7	60	90	36	6	4	35	45	25	1	1	25	35								
04	160	3	3	100	155	141	6	6	100	170	125	4	7	95	190	96	6	10	100	190	67	4	6	90	150	52	7	5	65	90	34	9	2	35	50	25	3	1	20	30								
05	160	4	4	95	145	139	7	3	110	185	121	6	4	115	215	90	10	6	100	210	67	4	8	85	140	50	7	5	65	70	36	6	4	40	55	22	4	0	15	30								
06	158	6	4	100	160	135	6	5	125	215	115	8	14	145	260	82	16	15	145	255	58	7	8	95	170	52	8	9	80	130	43	3	3	60	100	24	5	2	25	40								
07	156	7	5	110	180	133	7	10	140	220	113	7	18	140	250	78	17	14	110	230	57	8	11	110	180	47	5	6	105	170	42	4	6	60	95	24	3	2	30	40								
08	156	6	6	120	200	134	10	14	155	260	110	16	14	155	280	77	23	13	150	245	43	14	12	100	160	42	10	8	100	165	36	8	4	85	145	22	4	0	25	30								
09	155	7	6	130	200	133	11	13	140	260	108	18	12	140	240	75	27	15	110	180	36	23	7	95	145	38	10	10	100	155	32	10	4	90	155	22	4	0	30	40								
10	154	8	4	120	200	133	13	16	155	255	104	22	12	160	260	73	31	13	120	220	30	22	5	50	75	34	21	10	80	100	32	14	5	90	150	22	6	0	25	50								
11	156	6	6	135	205	129	16	16	160	265	101	19	18	145	280	80	26	12	110	205	33	38	4	85	105	34	19	10	85	120	32	16	6	95	140	22	12	0	30	40								
12	155	10	6	120	200	132	17	11	145	230	117	14	26	140	240	82	26	20	130	250	41	30	14	95	125	33	31	11	100	140	34	13	10	90	140	24	10	2	30	40								
13	156	11	5	120	180	134	14	11	130	205	119	11	20	135	235	92	20	14	115	240	44	30	18	90	150	38	22	14	95	150	36	8	8	80	135	24	14	2	30	55								
14	160	8	6	110	180	141	6	10	120	200	119	9	12	140	230	96	10	18	130	220	49	27	18	100	170	44	16	10	95	145	40	8	5	80	120	26	8	4	35	50								
15	162	6	4	100	170	143	4	13	110	200	119	12	6	115	200	96	12	18	100	200	54	21	16	100	175	47	16	12	105	165	42	6	6	70	110	26	9	2	40	65								
16	162	5	6	90	150	139	8	9	100	180	117	9	10	100	200	92	7	12	100	190	57	16	10	100	175	48	6	8	75	130	44	4	5	50	75	26	4	2	30	50								
17	160	2	4	80	140	137	8	6	100	180	117	6	6	95	175	90	10	8	80	150	54	11	5	80	135	52	6	2	60	115	48	2	4	50	80	26	2	4	35	60								
18	160	4	8	90	150	139	6	9	90	165	119	2	4	80	165	92	6	4	70	140	61	8	5	70	130	60	4	5	50	95	48	2	4	50	75	26	3	4	40	55								
19	160	2	5	85	145	139	6	8	90	175	121	4	6	80	160	94	6	4	80	160	65	7	13	70	120	60	4	4	60	100	48	2	2	50	90	26	4	2	35	50								
20	158	5	2	80	130	139	6	4	95	170	121	4	2	85	170	94	4	4	75	145	64	6	5	80	135	60	6	4	60	95	50	4	4	50	85	27	4	1	40	50								
21	158	4	3	70	120	139	6	4	90	170	121	4	7	90	170	94	4	6	80	160	63	8	4	75	135	60	7	4	60	110	48	4	2	50	75	26	4	2	40	50								
22	158	4	6	70	120	139	6	6	90	155	121	4	8	90	170	92	10	6	70	145	65	5	4	80	140	60	10	6	70	100	48	6	2	40	75	26	2	2	30	40								
23	158	4	4	70	115	139	6	6	85	145	121	6	6	95	170	93	6	5	80	160	65	4	4	85	140	60	7	4	50	90	46	4	4	40	70	24	2	0	20	40								

Fam = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

USCDA-485-76

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

Station Singapore, Malaysia

Lat. 1.3N Long. 103.8E

Month October 1962

Frequency (Mc)

Hour (LST)	Frequency (Mc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	.013								.051								160								545								2.5								5								10								20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}

F_{am} = median value of effective antenna noise in db above ktb
D_g = ratio of upper decile to median in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

Frequency (Mc)

Frequency (Mc)																																															
.013						.051						.160						.545						2.5						5						10						20					
Hour (LST)	Fam	Df	Vdm	Ldm	*	Fam	Du	Df	Vdm	Ldm	*	Fam	Du	Df	Vdm	Ldm	*	Fam	Du	Df	Vdm	Ldm	*	Fam	Du	Df	Vdm	Ldm	*	Fam	Du	Df	Vdm	Ldm	*												
00	161	2	2	11.0	16.5	139	4	4	10.0	16.0	120	*	95	4	6	7.0	14.0	64	5	3	8.0	15.5	58	4	9	5.0	8.0	41	7	5	7.0	4.0	23	2	0	3.0	4.5										
01	159	6	4	9.5	15.5	141	6	6	9.0	16.5	122	*	95	2	6	7.0	15.0	66	4	5	7.5	12.0	60	4	5	6.0	10.0	40	12	4	6.0	3.0	23	0	1	1.5	3.0										
02	159	6	0	11.0	17.0	139	6	4	7.0	11.0	120	4	93	2	2	7.0	15.0	67	7	7	8.5	14.0	58	9	5	6.5	11.0	40	5	4	5.0	3.0	23	8	1	1.5	3.0										
03	159	4	2	9.0	13.5	139	4	6	10.5	19.0	120	2	93	4	2	8.5	18.0	67	5	5	9.0	14.0	59	5	8	6.5	10.5	40	4	4	5.0	3.0	23	3	2	1.5	3.0										
04	161	2	4	11.0	14.5	137			11.0	18.5	118	2	91	4	2	9.0	18.0	66	3	6	10.0	16.0	58	4	10	4.5	7.5	38	7	2	5.0	2.5	23	2	1	1.5	2.5										
05	161	2	4	11.0	16.0	135	6	6	12.0	18.5	112	6	77	6	10	14.5	22.5	65	4	4	11.0	16.5	53	7	6	6.0	9.0	39	4	3	5.0	2.5	23	2	1	2.0	4.0										
06	159	4	2	9.5	17.5	133	4	8	14.5	22.0	105	*	75	16	18						*			53	6	13	8.0	12.0	42	4	5	8.5	5.5	23	2	0	2.5	4.0									
07	159	2	4	13.0	20.0	131	8	8	13.0	22.5	101	*	69	8	12	13.0	21.0	47	8	8	11.0	17.0	46	6	8	12.0	17.0	40	4	4	9.5	7.0	23	1	0	3.0	4.5										
08	159			13.5	23.0	130			15.0	25.0	102	*	68			14.5	23.0	35	10	6	10.0	14.5	38	8	10	10.0	14.0	38	3	5	6.0	4.5	23	2	2	2.5	3.5										
09	157			15.0	22.0	127			16.0	25.5	98	*	70								9.5	16.0	36	4	6	9.5	16.0	36	4	6	4.0	2.5	23	0	2	2.0	3.5										
10	155			18.0	23.5	127			15.0	21.5	101	*	67			17.5	27.0			4	6.0	9.0	29	10	13	8.5	11.5	36	4	5	14.5	10.0	23	2	2	2.0	3.5										
11	159			14.0	21.0	129			15.0	21.5	104	*	71			16.0	24.5	29	14	4	9.5	12.5	30	8	8	10.0	14.5	36	4	6	13.5	8.5	23	4	2	4.0	6.0										
12	159			12.0	19.5	131			14.0	21.0	111	*	83			13.5	23.0	31	18	4	9.0	11.5	33	9	7	10.5	16.5	38	5	6	15.5	9.0	23	6	0	3.0	4.5										
13	161			11.0	18.0	137	14	6	13.0	20.0	112	*	94								9.0	14.0	40	19	10	10.0	16.5	38	6	4	11.0	7.0	25	15	2	2.5	4.0										
14	163					141			12.5	22.0	118	*	97			12.0	21.0	45	22	12	11.0	16.5	44	16	6	8.0	14.0	40	11	4	7.5	5.0	27	8	4	4.0	7.0										
15	164			11.0	18.0	142			12.5	22.0	118	*	95			13.0	22.5	47	21	10	10.5	17.0	47	7	7	9.0	14.5	42	4	4	9.0	5.0	27	4	2	4.0	6.5										
16	163	4	2	11.0	19.0	142			11.5	19.0	116	*	93	8	8	11.0	21.0	53	7	10	9.0	15.0	51	5	6	8.5	13.5	43	5	3	7.5	4.5	28	1	5	3.5	5.5										
17	163	2	2	11.5	19.0	141	4	4	14.0	23.0	116	*	93			15.5	25.5	57	4	6	8.0	14.0	56	4	6	5.0	9.5	45	5	5	7.0	3.5	26	3	3	5.0	7.0										
18	163	4	4	11.0	18.5	143	4	6	13.0	23.0	120	*	97	6	4	7.5	16.0	65	3	4	8.0	13.0	60	2	4	5.5	10.0	44	4	4	8.0	5.0	25	3	2	3.5	5.5										
19	161	4	0	12.0	18.5	143	2	6	13.0	21.5	121	*	97	2	4	7.0	14.0	65	5	5	7.0	12.0	60	6	4	5.0	9.0	48	13	6	9.0	4.0	25	2	2	3.0	4.5										
20	161	2	2	9.0	18.5	141	2	2	12.0	20.5	122	*	97	4	8	8.5	15.5	65	4	6	8.0	14.5	60	2	8	7.5	12.5	48	13	11	8.0	5.0	27	2	4	2.5	4.0										
21	161	4	2	11.5	17.0	141	4	4	14.0	22.0	122	*	97	2	10	8.5	17.5	65	4	7	8.5	15.5	58	3	3	7.0	13.0	46	4	5	7.5	4.5	27	2	1	3.0	5.5										
22	161	4	2	11.0	16.5	141	4	4	11.0	19.0	119	*	95	6	6	9.0	17.0	65	2	6	9.0	15.0	59	3	6	7.0	12.0	46	6	4	7.0	4.0	27	2	4	3.0	6.0										
23	161			11.5	19.5	139	6	6	13.5	19.5	124	*	93	8	4	6.5	12.5	65	4	4	9.0	15.0	58	4	3	6.0	11.0	44	6	8	7.5	4.0	23	2	2	7.5	4.0										

F_{am} = median value of effective antenna noise in db above ktbD_g = ratio of upper decile to median in dbV_{dm} = ratio of median to lower decile in dbV_{dm} = median deviation of average voltage in db below mean powerL_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month September 19 62

Frequency (Mc)

Hour (LST)	.013				.051				.160				.495							
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}
00	156	8	12			140	10	7			114	16	7			98	12	6		
01	158	6	14			140	9	5			115	16	8			98	12	6		
02	157	6	12			141	10	8			117	16	10			97	17	5		
03	160	4	14			141	10	10			113					96	14	6		
04	160	4	16			141					119					98				
05	159	3	17			139	10	12			115	15	12			92				
06	156	6	12			134	9	9			113	10	20			91				
07	156	6	12			133	10	8			116					90				
08	156					131					111					84				
09	154					129					109					81				
10	162					131					111					78				
11	158					131					111					84				
12	152					129					103					76				
13	153					129					103					82				
14	150					131					108					84				
15	154					135					111					88				
16	156	8	14			134					109					88				
17	156	6	14			133	12	8			108					86				
18	152	10	12			133	12	12			107	20	8			86				
19	155	7	13			133	14	8			111	16	6			92				
20	154	8	8			134	13	5			113	13	8			96				
21	158	4	12			137	12	12			115	13	10			96				
22	157	5	13			141	8	8			119	10	12			96	14	4		
23	154	8	10			141	8	8			116	13	9			96				

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

MONTH-HOUR VALUES OF RADIO NOISE

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month October 19 62

Hour (LST)	Frequency (Mc)																																		
	013				051				160				495																						
	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}	F _{am}	D _g	V _{dm}	L _{dm}			
00	159				139				116				98																						
01	161				138				116				96																						
02	159				136				114				95																						
03	158				136				113				96																						
04	159				136				113				94																						
05	159				136				110				90																						
06	157				132				102				72																						
07	153				133				102				68																						
08	157				130				103				70																						
09	156				130				104				71																						
10	157				128				102				70																						
11	156				130				104				70																						
12	155				132				102				70																						
13	159				130				110				72																						
14	161				134				112				70																						
15	161				132				110				71																						
16	161				134				110				68																						
17	159				132				106				74																						
18	159				132				112				93																						
19	159				133				112				95																						
20	159				136				114				98																						
21	161				137				114				98																						
22	161				136				116				96																						
23	157				136				116				98																						

F_{am} = median value of effective antenna noise in db above ktb

D_g = ratio of upper decile to median in db

D_g = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Balboa, Canal Zone Lat. 9.0N Long. 79.5W Season Fall (Sept., Oct., Nov.) 19 62

TIME BLOCKS (LST)

	0000 - 0400				0400 - 0800				0800 - 1200				1200 - 1600				1600 - 2000				2000 - 2400					
Frequency (Mc)	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	
.013	163	6	5	11.0	16.5	16.2	7	5	11.0	17.0	16.0	7	5	12.0	18.0	16.5	16.3	4	3	10.0	15.5	16.2	4	4	10.5	16.5
.051	143	7	6	10.0	15.5	14.1	9	8	11.5	17.5	13.4	12	10	12.0	18.0	14.1	14.0	6	6	10.5	16.0	14.1	6	5	9.5	15.0
.160	123	7	6	8.0	13.5	11.9	11	13	11.5	18.5	11.0	17	15	13.0	20.0	11.9	11.8	8	9	10.0	16.0	12.2	5	6	8.0	12.5
.495	102	7	6	6.5	12.0	8.7	14	12	11.5	18.0	8.3	21	10	11.0	17.0	9.6	9.7	9	9	9.0	14.0	10.1	6	5	6.0	10.0
2.5	68	6	6	5.5	9.5	6.3	7	7	6.0	11.5	4.0	17	9	7.5	11.5	4.9	5.8	10	7	7.0	11.5	6.6	4	5	5.5	9.0
5	59	3	4	4.5	8.0	5.6	5	5	5.5	10.0	4.1	10	7	7.5	11.0	4.6	5.9	6	4	5.5	9.0	6.0	4	4	4.5	8.0
10	40	8	5	3.5	6.5	4.3	5	6	3.5	6.0	3.9	4	4	5.0	7.5	4.3	4.9	5	4	3.5	6.0	4.2	7	6	3.5	6.0
20	23	5	2	3.0	4.5	2.3	5	3	3.5	5.0	2.5	5	4	4.5	6.0	3.1	2.8	4	4	4.0	5.5	2.3	3	2	3.0	4.0

F_m = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_dm = median deviation of average voltage in db below mean power

L_dm = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Bill, Wyoming Lat. 43.2N Long. 105.2W Season Fall (Sept. Oct. Nov.) 1962

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}
.013	158	4	4	11.0	18.0	156	5	4	12.0	19.5	154	5	3	11.0	18.0	156	5	4	11.0	18.0	157	4	4	11.5	18.5	157	4	4	11.5	18.5
.051	132	5	6	6.0	10.0	128	7	6	6.0	9.5	122	8	7	7.5	11.5	124	7	9	8.0	12.5	128	6	6	6.0	10.5	132	5	5	5.5	9.5
.160	106	9	7	9.0	16.0	93	11	12	10.0	17.0	83	15	10	7.5	12.0	88	14	14	7.5	13.0	102	8	12	8.0	14.5	107	7	8	8.0	15.5
.495	88	8	8	7.5	14.0	67	10	6	5.0	9.0	60	8	5	2.5	5.0	61	12	5	3.0	5.5	77	12	10	5.5	10.0	89	7	9	7.0	13.0
2.5	60	8	6	5.0	8.5	48	12	6	5.0	8.0	26	8	4	2.0	4.0	27	12	4	2.5	4.0	49	11	8	4.0	7.0	60	7	6	4.5	8.0
5	54	5	5	4.5	8.0	47	7	6	4.5	8.0	27	8	4	2.5	4.5	30	8	6	3.5	6.5	50	7	7	4.0	7.0	53	5	5	4.5	7.5
10	39	9	6	3.0	5.0	38	5	4	3.0	5.5	34	3	2	3.0	5.0	39	4	4	3.0	5.0	48	5	5	3.0	5.0	42	9	6	2.5	4.5
20	24	4	0	2.0	3.0	25	4	2	3.0	4.5	28	4	3	3.5	5.5	30	4	3	3.5	5.0	26	3	2	2.5	4.5	25	2	1	3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Boulder, Colorado Lat. 40.1N Long. 105.1W Season Fall (Sept. Oct. Nov.) 19 62

TIME BLOCKS (LST)																																			
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
Frequency (Mc)	F _{am}		D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}		D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}		D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}		D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}		D _u	D _ℓ	V _{dm}	L _{dm}					
.013	157		5	3	11.0	17.5	155		5	4	11.5	17.0	157	4	5		5	10.5	16.5	158	4	5		5	11.0	17.5									
.051	132		6	5	8.0	13.0	127		8	6	8.0	13.0	125	8	9		7	7.5	12.0	132	6	6		7.5	12.0										
.160	109		9	8	8.5	15.0	92		15	11	7.0	11.0	94	15	13		10	7.5	13.5	110	8	9		8.0	14.0										
.495	91		8	7	7.5	13.0	72		11	7	5.0	8.0	66	15	8		11	6.0	9.0	92	8	8		6.0	11.0										
2.5	62		8	6	4.5	7.0	55		9	6	4.0	6.5	50	6	4		7	4.0	6.0	62	8	6		4.5	7.5										
5	56		5	5	4.5	8.0	50		7	5	4.5	7.5	42	6	7		7	3.5	6.0	55	6	6		4.0	7.5										
10	42		7	8	3.0	5.5	40		5	4	3.0	5.5	36	7	6		5	3.0	5.0	44	6	7		3.0	5.0										
20	25		4	2	2.0	3.0	26		4	2	2.0	3.5	28	6	4		5	2.5	4.0	25	4	3		2.0	3.5										

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Byrd Station, Ant. Lat. 80.0S Long. 120.0W Season Spring (Sept. Oct. Nov.) 19 62

TIME BLOCKS (LST)																																			
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
Frequency (Mc)	F _{am}		D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}		D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}		D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}		D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}		D _u	D _ℓ	V _{dm}	L _{dm}					
.015	109		6	6			108		7	5				108		6	7				109		6	7			109		7	6					
.113	90		7	6			92		6	6				91		6	6				92		7	6			91		6	7					
.246	67		3	3			67		7	4				66		5	3				68		3	2			66		3	3					
.545	53		8	3			53		10	3				52		11	3				52		7	2			51		8	3					
2.5	19		12	2			20		6	3				19		4	2				20		8	3			20		6	3					
5	22		13	9			18		12	4				21		6	7				25		10	9			27		10	12					
10	23		6	10			18		8	7				22		4	4				26		6	7			25		5	9					
20	20		2	2			19		2	3				20		2	1				20		2	2			20		1	3					

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* * * No September or October data for D_u and D_ℓ.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Cook, Australia Lat. 30.6S Long. 130.4E Season Spring (Sept. Oct. Nov.) 1962

Frequency (Mc)	TIME BLOCKS (LST)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 50-60N Long. 37.5-52.5W Season Spring (*** April ***) 19 62

TIME BLOCKS (LST)																														
Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}					
2.5-	50																													
5-	48																													
10	44																													
20	29																													

F_{am} = median value of effective antenna noise in db above ktb
D_u = ratio of upper decile to median in db
D_ℓ = ratio of median to lower decile in db
V_{dm} = median deviation of average voltage in db below mean power
L_{dm} = median deviation of average logarithm in db below mean power

*** No March or May Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50N Long. 52.5-67.5W Season Spring (*** April ***) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400				0400-0800				0800-1200				1200-1600				1600-2000				2000-2400			
	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}
2.5	59				38				34				49				76	71						
5	60				47				42				63				74	72						
10	59				52				44				50				65	63						
20	26				25				25				26				30	29						

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* * * No March or May Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eitanin Lat. 20-30N Long 67.5-82.5W Season Spring (*** *** ***) May) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400				0400-0800				0800-1200				1200-1600				1600-2000				2000-2400				
	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	
.013	146				140				149				154					144				140			
.051	138				127				130				136					128				140			
.160	118				107				112				122					112				114			
.495	95				84				82				85					92				86			
2.5	80				69				52				64					68				83			
5	59				58				40				44					58				68			
10	46				47				46				50					60				55			
20	26				32				30				33					38				31			

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No March or April Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 10-20N Long. 67.5-82.5W Season Spring (*** *** ***) May) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	F _{am}	D _u	D _l	V _{dm}	L _{dm}	
.013	150					152					147					156						154									
.051	140					140					132					144						143									
.160	122					118					111					126						124									
.495	102					96					89					101						104									
2.5	77					69					57					74						81									
5	66					58					40					54						70									
10	52					46					39					40						53									
20	28					27					28					38						36									

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No March or April Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 0-10S Long. 67.5-82.5W Season Winter (June ***) 1962

TIME BLOCKS (LST)																															
Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	
013	158			8.5	14.5	156			9.5	16.0	154			11.5	17.0	157			8.5	14.0	156				7.0	12.0	158			8.0	13.5
051	140			8.0	13.0	136			9.5	16.0	124			11.0	17.5	129			9.0	15.0	129				8.5	14.5	139			8.0	12.5
160	119			5.5	10.5	106			8.0	14.0	93			10.5	18.0	94			9.0	15.0	101				9.0	14.5	117			5.5	10.0
495	98			6.0	10.5	80			9.5	10.0	66			7.0	8.0	64			7.0	10.5	81				10.5	12.0	99			6.0	11.5
2.5	74					68					38					38					58						72				
5	68					63					43					43					66						70				
10	39					36					28					26					36						40				
20	29					28					28					30					32						33				

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No July or August Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eitanin Lat. 10-20S Long. 67.5-82.5W Season Winter (June ***) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400						
	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}		
.013	153			9.0	15.0	153			11.0	17.0	152			13.0	19.0	156			11.0	16.5	152				8.5	13.5	152					
.051	132			7.0	12.5	126			10.5	16.5	110			14.0	20.5	117			11.0	17.0	116				10.5	15.5	128			8.0	12.5	
.160	115			6.0	12.5	97			9.5	14.5	85			12.0	20.5	86			14.0	21.0	95				12.5	20.5	110			6.5	11.0	
.495	94			10.0	12.5	74			5.5	9.0	65			3.0	7.0	66					82				9.0	16.0	92			8.5	15.0	
.25	68					57					32					33					58						67					
.5	62					64					41					54					70						74					
10	40					35					26					26					39						42					
20	30					30					28					28					32						30					

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No July or August Data.

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 30-40S Long. 67.5-82.5W Season Winter (June July Aug.) 1962

TIME BLOCKS (LST)																														
Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}					
** .013	157					150					148					152						144								
** .051	131					121					112					107						122								
** .160	111					95					92					86						105								
** .495-	86					75					70					66						86								
*** 2.5-	66					60					52					56						69								
*** 5-	58					58					46					46						62								
*** 10	42					44					41					45						47								
*** 20	28					29					30					34						30								

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* * No June or August Data

* * * No July Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50S Long. 67.5-82.5W Season Winter (*** July Aug.) 1962

TIME BLOCKS (LST)																														
Frequency (Mc)	0000 - 0400					0400 - 0800					0800 - 1200					1200 - 1600					1600 - 2000					2000 - 2400				
	F _{am}	D _u	D _ℓ	V _d m	L _d m	F _{am}	D _u	D _ℓ	V _d m	L _d m	F _{am}	D _u	D _ℓ	V _d m	L _d m	F _{am}	D _u	D _ℓ	V _d m	L _d m	F _{am}	D _u	D _ℓ	V _d m	L _d m					
.013	146					139					141					145					143					146				
.051	120					108					98					103					102					109				
.160	99					83					77					76					84					100				
.495	80					71					60					64					76					83				
* *																										69				
2.5																										60				
* *																										41				
5																										32				
* *																														
10																														
* *																														
20																														

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* * * No June or July Data

* * * * No June Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Elkanin Lat. 50-60S Long 52.5-67.5W Season Winter (*** July Aug.) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000 - 0400				0400 - 0800				0800 - 1200				1200 - 1600				1600 - 2000				2000 - 2400				
	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	
.013	141				143				138				141					144				144			
.051	113				108				100				97					102				110			
.160	89				84				75				76					78				86			
.495	74				66				60				62					70				76			
2.5	53				50				37				48					50				52			
5	53				60				40				40					49				50			
10	24				26				20				24					28				29			
20	27				27				29				30					28				27			

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* * * No June Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eitanin Lat. 50-60S Long. 67.5-82.5W Season Winter (*** July Aug.) 1962

TIME BLOCKS (LST)																																			
0000 - 0400						0400 - 0800						0800 - 1200						1200 - 1600						1600 - 2000						2000 - 2400					
Frequency (Mc)	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}	F _{am}	D _u	D _ℓ	V _{d_m}	L _{d_m}					
.013	140					141					147					142						144						144							
.057	112					102					94					92						104						119							
.160	88					81					74					72						80						89							
.495	80					67					57					59						73						80							
* * 2.5	58					57					41					40						42						59							
* * 5	58					64					38					36						52						56							
* * 10	37					38					36					34						39						38							
* * 20	26					28					30					28						28						28							

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{d_m} = median deviation of average voltage in db below mean power

L_{d_m} = median deviation of average logarithm in db below mean power

* * No June or July Data

* * * No June Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eitanin Lat. 60-70S Long. 52.5-67.5W Season Winter (*** July Aug.) 1962

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400				0400-0800				0800-1200				1200-1600				1600-2000				2000-2400				
	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	F _{am}	D _u	D _ℓ	V _{dm} L _{dm}	
.013	145				147				145				135					136				143			
.051	118				118				104				94					105				107			
.160	96				90				81				73					78				85			
.495	79				69				59				61					71				76			
** 2.5	64				53				33				34					45				56			
** 5	44				47				26				30					44				45			
** 10	36				36				34				40					40				37			
** 20	28				28				28				28					28				29			

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* * No June or July Data

* * * No June Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eitanin Lat. 30-40S Long. 67.5-82.5W Season Spring (Sept. *** Nov.) 19 62

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	
.013	150			9.5	16.0	151			9.5	17.0	151			8.5	15.5	157			7.0	12.5	155				7.0	11.5	152			8.5	15.0
.051	127			7.0	13.0	118			8.0	15.0	115			10.0	16.0	124			6.0	11.5	125				6.0	11.5	130			6.0	10.0
.160	105			6.0	11.5	90			4.5	9.0	87			8.0	12.0	90			6.5	12.5	99				4.5	9.0	110			4.5	9.5
.495	88			4.5	12.0	72			5.0	8.5	70			3.0	7.0	71			2.5	5.5	84				3.5	7.5	94			4.5	8.0
2.5	62					51					49					50						57					68				
5	57					53					43					45						59					60				
10	48					50					43					46						53					52				
20	28					31					35					35						34					31				

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No October Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 40-50S Long 67.5-82.5W Season Spring (Sept. *** Nov.) 1962

TIME BLOCKS (LST)

	0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400						
Frequency (Mc)	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}		
.013	153			10.0	16.0		152			9.0	14.5		152				9.0	14.0		153			7.0	12.0		150				7.0	12.5		153			10.0	16.0
.051	130			8.5	15.0		118			9.0	14.5		117				6.0	11.0		115			7.5	12.5		118				7.0	12.5		127			6.5	12.0
.160	107			5.0	10.0		86			8.0	13.5		82				8.0	14.0		54			9.0	14.0		91				6.5	11.5		106			5.5	11.0
.495	92			4.5	9.5		70			4.0	8.5		69				2.5	5.5		70			5.5	9.5		79				4.0	8.0		93			4.5	9.5
** 2.5	66			5.0	7.5		48			8.0	11.5		34				3.0	4.0		41			3.5	5.5		53				2.5	4.0		68			3.0	4.5
** 5	62			5.0	7.5		53			5.0	8.0		35							37			3.0	4.5		53				3.5	5.5		64			3.5	6.0
** 10	97			4.0	7.0		48			6.0	9.0		37				5.0	8.0		36			3.5	5.5		49				3.5	5.0		51			4.5	9.0
*** 20	30			10.0	12.0		30			3.0	4.0		30				3.0	4.0		29			3.0	4.0		29				5.0	8.0		30			4.0	6.5

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* * No September or October Data for Log and Voltage

* * * No November Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eitanin Lat. 50-60S Long 52.5-67.5W Season Spring (Sept. Oct. ***) 19 62

TIME BLOCKS (LST)																																			
0000 - 0400						0400 - 0800						0800 - 1200						1200 - 1600						1600 - 2000						2000 - 2400					
Frequency (Mc)	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}					
. 013	146			105	170	147			95	140	143			6.0	105	148			4.5	90	149					55	105	148			75	140			
. 051	120			85	155	116			105	155	101			6.5	110	104			35	70	107					50	90	118			60	105			
. 160	96			70	130	84			85	130	69			5.5	85	70			4.0	70	75					40	80	91			50	105			
. 495	85			55	110	74			40	100	68			30	80	66			2.0	60	71					30	70	86			40	95			
2.5	56			40	70	49			40	65	32			35	65	42			6.5	80	48					30	55	60			35	60			
5	54			50	75	53			45	75	34			60	90	36			4.5	65	49					30	50	58			40	65			
10	45			30	55	43			30	60	37			25	55	35			2.5	45	43					2.5	50	43			35	55			
20	27			25	40	27			15	35	28			45	65	28			2.5	35	28					25	40	27			30	40			

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

*** No November Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station USNS Eltanin Lat. 60-70S Long 67.5-82.5W Season Spring (*** Oct. Nov.) 19 62

TIME BLOCKS (LST)

	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400					
Frequency (Mc)	F _{am}	D _u	D _ℓ	V _d m	L _d m	F _{am}	D _u	D _ℓ	V _d m	L _d m	F _{am}	D _u	D _ℓ	V _d m	L _d m	F _{am}	D _u	D _ℓ	V _d m	L _d m	F _{am}	D _u	D _ℓ	V _d m	L _d m	F _{am}	D _u	D _ℓ	V _d m	L _d m	
* * .013	142			9.0	13.5	143			7.0	14.0	145			11.5	13.5	146			6.0	10.5	144				8.0	13.0	143			8.5	13.5
* * .051	116			6.0	10.5	103			4.5	12.0	103			7.0	11.0	104			5.5	10.0	106				7.0	13.0	116			6.0	10.0
* * .160	87			4.5	8.5	72			3.0	10.5	69			7.0	11.5	67			7.0	10.0	73				4.0	7.0	88			6.0	10.0
* * .495	73			4.0	8.5	62			6.0	15.0	62			4.0	7.5	63			2.5	6.0	68				2.5	6.0	79			3.0	7.0
2.5	59			4.0	6.5	40			5.0	7.5	35			3.0	5.0	40			3.0	4.5	49				3.0	5.5	59			4.0	6.0
5	56			5.0	7.0	44			5.5	7.5	33			5.0	7.5	36			4.5	6.5	46				3.0	5.0	54			5.5	8.0
10	45			4.0	5.5	39			3.0	5.0	26			2.0	4.0	30			2.0	3.5	41				3.5	5.0	43			5.0	7.0
20	28			3.5	4.5	29			1.5	3.0	28			1.5	3.0	27			2.5	3.5	28				2.0	3.0	28			3.0	4.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_dm = median deviation of average voltage in db below mean power

L_dm = median deviation of average logarithm in db below mean power

* * No September or November Data

* * * No September Data

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Front Royal, Virginia Lat. 38.8N Long. 78.2W
Season Fall (Sept. Oct. Nov.) 1962

TIME BLOCKS (LST)

[illegible]

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_2 = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Kekaha, Hawaii Lat. 22.0 N Long. 159.7 S Season Fall (Sept. Oct. Nov.) 1962

TIME BLOCKS (LST)

Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}
.013	153	3	3	11.0	17.5	154	3	3	11.5	18.0	150	4	4	11.5	17.5	149	4	4	13.0	20.0	148	4	3	12.0	19.5	151	4	3	10.0	16.5
.051	128	5	6	11.0	17.5	127	4	5	12.0	19.5	110	10	6	12.5	19.0	109	10	6	13.0	19.0	109	10	5	10.5	16.0	121	7	4	11.0	17.0
.160	105	7	8	11.0	18.5	97	9	9	11.0	18.5	75	17	7	11.5	18.5	74	20	7	10.5	17.0	81	12	6	9.5	15.5	99	10	7	11.5	19.0
.495	83	11	8	11.5	20.0	72	11	8	9.0	15.5	53	16	4	5.5	8.5	52	17	4	5.5	9.0	61	13	6	6.5	10.0	80	10	7	11.0	18.5
2.5	57	7	5			54	6	6			35	7	4			31	8	3			40	8	5			54	7	5		
5	55	7	6			47	5	4			28	7	4			26	3	4			37	6	5			49	6	4		
10	37	5	4			31	5	4			20	7	2			20	6	3			33	5	5			39	4	5		
20	23	1	1			23	2	0			22	1	1			22	2	1			25	2	2			24	1	1		

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Pretoria, S. Africa Lat. 25.8S Long. 28.3E Season Spring (Sept. Oct. Nov.) 19 62

TIME BLOCKS (LST)																																															
0000-0400								0400-0800								0800-1200								1200-1600								1600-2000								2000-2400							
Frequency (Mc)	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}																	
.013	138	6	3			136	5	4			134	7	4			142	5	4			143	6	3			141	8	3																			
.051	133	10	5			126	10	5			122	12	9			134	10	7			136	13	6			136	13	5																			
.160	110	11	8			94	17	9			88	20	10			100	19	12			109	22	11			112	17	6																			
.495	95	10	8			72	21	9			65	29	5			78	33	13			90	24	13			98	13	7																			
.25	69	9	9			60	10	10			51	5	8			56	14	8			66	15	9			74	9	10																			
.5	61	7	4			54	7	6			44	8	8			48	13	9			61	11	6			62	9	4																			
10	39	5	6			36	6	7			30	11	7			38	10	5			48	5	4			44	6	4																			
20	22	4	4			22	4	4			24	4	4			30	6	7			31	7	8			24	7	5																			

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Ohira, Japan Lat. 35.6N Long. 140.5E Season Fall (Sept. Oct. Nov.) 1962

TIME BLOCKS (LST)																																										
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400												
Frequency (Mc)				Ldm			Vdm			Dl			Fam			Du			De			Ldm			Vdm			Dl			Fam			Du			De			Ldm		
	Fam	Du	Dl	Vdm	Ldm		Fam	Du	Dl	Vdm	Ldm		Fam	Du	Dl	Vdm	Ldm		Fam	Du	Dl	Vdm	Ldm		Fam	Du	Dl	Vdm	Ldm		Fam	Du	Dl	Vdm	Ldm							
.013	153	4	3	9.0	13.0		152	4	3	9.0	13.0		151	4	3	10.5	14.5		152	4	3	10.0	15.0		153	4	3	8.0	12.5		153	4	3	9.0	13.5							
.051	131	5	4	11.0	17.5		124	8	5	10.5	16.5		116	11	7	11.0	15.5		117	10	5	9.5	13.0		122	10	6	8.5	13.0		130	5	4	10.0	16.5							
.160	111	6	5	9.0	16.5		94	14	8	11.5	17.0		85	17	7	9.5	15.5		85	17	5	6.5	10.5		96	13	8	8.5	14.5		109	6	7	9.5	16.0							
.495	89	8	6	9.0	16.0		69	15	7	8.0	13.5		62	15	5	7.0	10.0		62	18	5	6.0	10.0		78	13	7	8.0	13.5		88	6	5	8.5	14.5							
2.5	61	9	6	7.0	11.0		53	9	5	7.0	11.0		44	4	3	6.0	9.0		42	6	2	6.0	8.5		51	10	6	6.5	10.0		59	8	5	6.5	11.0							
5	58	5	5	6.0	9.0		56	8	6	6.5	10.5		39	9	5	7.5	11.0		39	10	5	6.0	9.0		59	9	5	5.5	9.0		62	8	6	6.5	10.5							
10	34	5	3	3.0	5.0		34	5	3	4.0	6.0		32	7	5	5.0	8.5		34	7	4	4.5	7.0		40	5	4	4.0	7.0		39	6	4	3.5	5.5							
20	25	1	1	1.0	3.0		26	2	1	1.5	3.0		26	3	1	2.0	4.0		28	2	2	2.5	4.0		28	3	2	2.0	3.5		25	2	1	1.5	3.0							

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_l = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3N Long. 103.8E Season Summer (June July Aug.) 1962

TIME BLOCKS (LST)																																			
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400					
Frequency (Mc)	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}					
.013	157	5	4	9.0	14.5	157	5	4	10.5	16.5	155	6	4	13.0	19.5	158	6	4	11.5	18.5	159	5	4	10.0	16.0	156	4	4	9.5	15.0					
.051	138	4	5	9.5	15.0	135	7	7	12.0	19.5	129	10	10	16.0	25.5	134	11	8	12.5	21.0	137	7	7	11.5	20.0	137	5	5	10.0	19.0					
.160	121	5	6	9.0	16.5	116	9	11	12.0	21.0	104	21	11	13.0	22.0	112	16	12	13.5	23.5	117	9	8	10.5	19.0	120	5	5	9.5	17.0					
.545	95	5	6	9.0	17.0	84	14	10	12.0	21.5	71	29	13	13.0	21.6	85	19	14	13.5	24.5	92	10	10	9.5	18.0	95	5	6	8.5	15.5					
2.5	65	5	5	7.0	12.0	61	6	7	8.5	15.0	37	22	8	10.0	15.0	42	25	11	9.5	16.0	60	9	9	7.5	13.5	65	4	5	7.0	12.5					
5	57	4	6	5.5	9.5	53	5	6	7.0	11.5	38	13	8	10.0	15.5	42	13	9	10.0	15.5	56	5	5	6.5	11.0	59	4	4	5.5	9.5					
10	41	7	5	4.5	7.5	39	8	4	5.0	7.5	36	10	5	9.0	14.0	39	10	5	8.5	13.5	47	6	2	5.0	8.0	48	4	4	4.0	7.5					
20	23	1	1	2.0	4.0	24	2	1	2.5	4.5	23	8	2	4.0	6.0	26	7	3	4.0	6.5	28	4	2	4.0	6.5	26	3	2	3.0	5.0					

F_{am} = median value of effective antenna noise in db above k1b

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

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SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Singapore, Malaya Lat. 1.3N Long. 103.8E Season Fall (Sept. Oct. Nov.) 1962

TIME BLOCKS (LST)																														
Frequency (Mc)	0000-0400					0400-0800					0800-1200					1200-1600					1600-2000					2000-2400				
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}
.013	160	4	4	9.5	15.0	159	4	4	10.5	16.5	157	5	5	14.0	21.0	161	7	5	11.5	19.0	162	4	5	10.0	16.5	160	4	3	9.0	14.5
.051	140	4	5	9.5	16.0	136	6	6	12.0	20.0	130	9	11	15.5	25.5	138	10	9	13.0	21.5	141	5	7	11.0	19.5	140	4	4	10.5	17.5
.160	122	3	5	9.5	17.5	113	6	9	12.0	22.0	104	16	12	15.5	26.5	116	12	15	13.5	23.0	119	6	6	10.0	19.0	122	4	5	9.5	18.0
.545	94	4	4	7.5	16.0	82	10	10	11.5	20.5	73	22	13	12.0	21.0	94	16	16	11.5	21.0	94	7	6	8.5	16.5	95	5	6	8.0	15.5
2.5	67	4	5	8.0	14.0	59	5	7	10.0	16.5	34	14	6	8.5	12.5	46	23	12	10.0	15.5	59	8	7	8.0	13.5	65	5	5	8.5	14.0
5	59	5	7	6.0	10.0	52	6	8	8.0	12.0	35	10	10	9.0	13.5	42	15	10	10.0	15.5	56	5	6	6.5	11.5	60	5	4	6.5	10.5
10	41	6	4	5.0	5.5	40	5	4	5.5	6.5	35	7	5	4.5	12.0	40	7	5	9.0	10.5	47	4	4	6.0	6.5	48	6	4	5.5	7.0
20	24	2	1	2.0	3.5	23	3	1	2.5	3.5	22	4	1	3.0	4.5	26	10	2	3.5	5.5	26	3	3	4.0	5.5	26	3	2	3.0	5.0

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

Station Thule, Greenland Lat. 76.6N Long. 68.7W Season Fall (Sept. xxx) 19 62

TIME BLOCKS (LST)																																				
0000-0400						0400-0800						0800-1200						1200-1600						1600-2000						2000-2400						
Frequency (Mc)																																				
	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}	F _{am}	D _u	D _ℓ	V _{dm}	L _{dm}						
.013	140	4	2	7.0	9.0						140	3	2	6.5	9.0		138	4	2	6.5	8.0		138	3	2	5.0	7.0		140	4	2	7.0	9.0			
.051	118	1	3	10.0	12.5						116	2	0	11.0	13.5		116	2	2	10.0	12.5		117	1	1	10.0	12.5		118	2	2	10.0	13.0			
.160	81	6	2	8.0	10.0						81	8	2	8.0	10.0		82	6	2	7.5	10.0		82	6	2	7.0	10.0		82	6	2	7.5	9.5			
.495	63	6	0	7.0	9.0						63	8	2	7.5	9.5		63	5	2	7.0	10.0		64	5	2	7.0	10.0		63	7	2	7.5	10.0			
2.5	36	16	6								39	12	10				36	15	6				33	14	4				36	14	8					
5	30	8	6								28	7	5				22	6	2				23	6	4				33	5	7					
10	15	5	3								16	4	3				14	5	3				16	5	3				19	5	5					
20	27	4	1								28	5	2				28	5	3				28	5	2				28	3	2					

F_{am} = median value of effective antenna noise in db above ktb

D_u = ratio of upper decile to median in db

D_ℓ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

L_{dm} = median deviation of average logarithm in db below mean power

* * * No October or November Data

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U. S. DEPARTMENT OF COMMERCE

Luther H. Hodges, *Secretary*

NATIONAL BUREAU OF STANDARDS

A. V. Astin, *Director*



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